Am.
Misc.

1473

Columbia University
in the City of New York

UNIVERSITY BIBLIOGRAPHY

1921

PUBLISHED BY
Columbia University
in the City of New York
MORNINGSIDE HEIGHTS
NEW YORK CITY

Digitized by the Internet Archive
in 2019 with funding from
Columbia University Libraries

https://archive.org/details/universitybiblio00colu

CONTENTS

	Page
Official Publications—	
General	3
Teachers College	4
Departmental Publications	5
University Press	10
Alumni and Student Publications	11
Publications of Officers of the University	11
Dissertations	51
Index	69

The analysis of the University Bibliography for 1921 is as follows:

Official publications	57
Departmental and Press publications	103
Alumni and student publications	15
Publications of officers	1201
Doctors' dissertations	94
Total number of titles	1470

The officers' titles were contributed by 339 individuals from fifty-two departments; average number per person, 3+.

Parts I, II, III, IV, and VI of this issue of the Bibliography have been prepared by members of the library staff. Part V has been compiled from manuscript furnished by the members of the faculty whose publications are listed in that part.

WILLIAM H. CARPENTER
Acting Librarian

ISADORE G. MUDGE
Reference Librarian

Columbia University, May, 1922

UNIVERSITY BIBLIOGRAPHY

I. OFFICIAL PUBLICATIONS

General

Columbia University bulletin of information. 21st series, December, 1920–August, 1921, New York. Columbia university, 1921.

CONTENTS

21st series

1 President's annual report. 4 December. 52p.

2 University extension. Announcement, spring session, 1921. 11 December. 81p.

3 Entrance examinations and admission. Announcement, 1921–22. 18 December. 62p.

4 Journalism. Announcement, 1921–22. 25 December. 32p.

5 Political science, philosophy and pure science. Announcement, 1921–22. 1 January. 36p.

6 Fellowships and scholarships. 8 January. 7p.

7 Academic calendar. 15 January. 7p.

8 Schools of mines, engineering and chemistry. Mining, metallurgy, civil engineering, sanitary engineering, electrical engineering, mechanical engineering, chemical engineering, chemistry. Announcement, 1921–22. 22 January. 105p.

9 Annual reports, 1920. 29 January. 457p.

10 Summer session. Announcement, 1921–22. 5 February. xxiii, 193p.

11 Music. Announcement, 1921–22. 12 February. 12p.

12 Brooks Hall. Announcement. 19 February. 15p.

13 School of dentistry. Announcement, 1921–22. 26 February. 27p.

14 Division of biology. Courses in anatomy, bacteriology, biological chemistry, botany, pathology, pharmacology, physiology, zoology. Announcement, 1921–22. 5 March. 30p.

15 Columbia college. Announcement, 1921–22. 12 February. 82p.

16 Division of modern languages and literatures. Announcement, 1921–22. 19 March. 25p.

17 Division of chemistry. Announcement, 1921–22. 26 March. 23p.

18 Division of mathematical and physical sciences. Announcement, 1921–22. 2 April. 28p.

19 History, economics and public law. Courses offered by the faculty of political science. Announcement, 1921–22. 9 April. 26p.

20 Courses in optics and optometry. Announcement, 1921–22. 9 April. 36p.

21 Courses in spoken language. Announcement, 1921–22. 23 April. 11p.

22 School of law. Announcement, 1921–22. 30 April. 44p.
23 Courses in oral hygiene. Announcement, 1921–22. 7 May. 16p.
24 School of architecture. Announcement, 1921–22. 14 May. 32p.
25 University extension. Announcement, 1921–22. 21 May. xiv, 158p.
26 School of business. Announcement, 1921–22. 28 May. 68p.
27 Secretarial studies. Announcement, 1921–22. 4 June. 30p.
28 Evening courses in architecture. Announcement, 1921–22. 11 June. 14p.
29 Division of geology, geography and mineralogy. Announcement, 1921–22. 18 June. 32p.
30 Philosophy, psychology and anthropology. Announcement, 1921–22. 25 June. 32p.
31 Evening courses in business. Announcement, 1921–22. 2 July. 42p.
32 Division of ancient and oriental languages. Announcement, 1921–22. 9 July. 28p.
33 Barnard College. Announcement, 1921–22. 16 July. 114p.
34 College of physicians and surgeons. Announcement, 1921–22. 23 July. 98p.
35 College of pharmacy. Announcement, 1921–22. 30 July. 80p.
36 Home study courses. Announcement, 1921–22. 6 August. 38p.
37 Annual catalogue of Columbia University. 1920–21. 13 August. iv, 361p.

Instructions for freshmen. Announcement, 1921. 18p.

Information for new students. Announcement, September 1921. 7p.

Columbia University hymnal. New York, Published for the University by the H. W. Gray Co.

Charters, acts of the legislature, official documents and records. Rev. and enl. ed. New York, The University, 1920. 633p.

Teachers College

Teachers College bulletin, 12th–13th series, 1 January–December, 1921. New York, Teachers college, Columbia University.

CONTENTS

12th series

9 A scale for measuring the importance of habits of good citizenship. By Siegried Maia Upton and Clara Frances Chassell. 1 January. 44p.
10 Scout masters', scout campers', and scout executives' leadership courses. 15 January. 7p.
11 Some food facts. By Mary Swartz Rose. 29 January. 7p.
12 Second camp leadership course. 12 February. 7p.
13 Social-hygiene education. Report on social-hygiene program given at Teachers college in 1920. 26 February. 22p.
14 School of education. Announcement, 1921–22. 12 March. 154p.
15 School of practical arts. Announcement, 1921–22. 26 March. 156p.
16 Nursing and health. Announcement, 1921–22. 9 April. 22p.
17 (Omitted.)
18 Syllabus in the philosophy of education. By William Heard Kilpatrick. 7 May. 140p.
19 Sixteen spelling scales. Standardized in sentences for secondary schools. 21 May. 55p.

13th series (Beginning with this series the Bulletin is published only 12 times a year.)

1 A list of plays. Suitable for production by high school students. Compiled by Margaret Bell Merrill and Ethel Watkins. 10 September. 15p.

2 The child's day. Text prepared by Mary Swartz Rose and Geraldine Gorton. 24 September. 16p.

3 Educative equipment for rural schools. By Fannie Wyche Dunn. 8 October. 23p.

4 Key to completion-test language scales B and C. By M. R. Trabue. 22 October. 15p.

5 Teachers College, Report of the dean, 1921. November. 68p.

6 Program of annual reunion and conferences of the Alumni association of Teachers College, February 10–11, 1922. December, 1921. 14p.

II. DEPARTMENTAL PUBLICATIONS

Chemistry

Contributions from the department of chemistry of Columbia University, nos. 348–376.

348 The viscosity of liquids. V. The ideality of the system: benzene-benzyl benzoate and the validity of the Bingham fluidity formula, by James Kendall and Kenneth Potter Monroe. Reprinted from the *Journal of the American chemical society*, 43: 115–125, January.

349 The optical rotation and mixtures of sucrose, glucose and fructose, by Warren C. Vosburgh. Reprinted from the *Journal of the American chemical society*, 43:219–232, February.

350 The correlation of compound formation, ionization and solubility in solutions. Outline of a modern ionization theory, by James Kendall. Reprinted from the *Proceedings of the National academy of sciences*, 7:56–62, February.

351 A method of purifying certain kinds of proteins, by Ada M. Field. Reprinted from the *Journal of the American chemical society*, 43:667–668, March.

352 Dimethyl tartonate, by Harry Linn Fisher and Harold Lester Simon. Reprinted from the *Journal of the American chemical society*, 43:628–629, March.

353 The melting point of ammonium sulfate, by James Kendall and Arthur W. Davidson. Reprinted from the *Journal of industrial and engineering chemistry*, 13:303–304, April.

354 Compound formation and solubility in systems of the type sulfuric acid, metal sulfate, by James Kendall and Arthur W. Davidson. Reprinted from the *Journal of the American chemical society*, 43:979–990, May.

355 Growth and reproduction upon simplified food supply, 1, by H. C. Sherman, M. E. Rouse, Bernice Allen and Ella Woods. Reprinted from the *Journal of biological chemistry*, 46:503–519, May.

356 Preliminary experiments with

the fat-soluble vitamin (vitamin A), by H. C. Sherman, F. L. McLeod and M. M. Kramer. Reprinted from the *Proceedings of the Society for experimental biology and medicine*, 18:41–43.

357 A dietetic production of rickets in rats and its prevention by an inorganic salt, by H. C. Sherman and A. M. Pappenheimer. Reprinted from the *Proceedings of the Society for experimental biology and medicine*, 18:193–197.

358 A new type of sodium lamp for polarimetry, by Harold A. Fales and J. C. Morrell. Reprinted from the *Journal of the American chemical society*, 43:1629–1630, July.

359 Some errors in the study of invertase action, by Warren C. Vosburgh. Reprinted from the *Journal of the American chemical society*, 43: 1693–1705, July.

360 The application of ideal solution equations to dilute aqueous solutions, by James Kendall. Reprinted from the *Journal of the American chemical society*, 43:1391–6, July.

361 The factors affecting the stability of addition compounds in solution and their influence upon ionization equilibria (Part 1.), by James Kendall and Paul U. Gross. Reprinted from the *Journal of the American chemical society*, 43:1416–26, July.

362 Compound formation and specific conductivity in solutions of the types acid: ester, acid: ketone and acid: acid, by James Kendall and Paul U. Gross. Reprinted from the *Journal of the American chemical society*, 43:1426–29, July.

363 Compound formation and solubility in systems of the type: formic acid-metal formate, by James Kendall and Howard Adler. Reprinted from the *Journal of the American chemical society*, 43:1470–81, July.

364 The prediction of solubility in polar solutions, by James Kendall and Howard Adler. Reprinted from the *Journal of the American chemical society*, 43:1481–1502, July.

365 The solubilities of acids in aqueous solutions of other acids, by James Kendall and James C. Andrews. Reprinted from the *Journal of the American chemical society*, 43:1545–60, July.

366 Oxidation and reduction of hydroquinone and quinone from the standpoint of electromotive-force measurements, by F. S. Granger and J. M. Nelson. Reprinted from the *Journal of the American chemical society*, 43:1401–1415, July.

367 Conditions affecting the quantitative determination of reducing sugars by Fehling solution. Elimination of certain errors involved in current methods, by F. A. Quisumbing and A. W. Thomas. Reprinted from the *Journal of the American chemical society*, 43:1503–1526, July.

368 Not yet published.

369 Compound formation and conductivity in systems of the types formic acid: metal formate and sulfuric acid: metal

sulfate, by James Kendall, Howard Adler and Arthur W. Davidson. Reprinted from the *Journal of the American chemical society*, 43:1846–53, August.

370 Compound formation and viscosity in solutions of the types acid: ester, acid: ketone and acid: acid, by James Kendall and Elizabeth Brakeley. Reprinted from the *Journal of the American chemical society*, 43: 1826–34, August.

371 Compound formation in phenol-cresol mixtures, by James Kendall and J. J. Beaver. Reprinted from the *Journal of the American chemical society*, 43:1853–67. August.

372 The activity of absorbed invertase, by J. M. Nelson and David I. Hitchcock. Reprinted from the *Journal of the American chemical society*, 43: 1956–1961. August.

373 The catalytic influence of foreign oxides on the decomposition of silver oxide, mercuric oxide and barium peroxide, by James Kendall and Francis J. Fuchs. Reprinted from the *Journal of the American chemical society*, 43:2017–31. September.

374 Effect of certain antiseptics upon the activity of amylases, by H. C. Sherman and M. Weyman.

375 The influence of certain amino acids upon the enzymic hydrolysis of starch, by H. C. Sherman and F. Walker.

376 A study of the influence of arginine, histidine, tryptophane and cystine upon the hydrolysis of starch by purified pancreatic amylase, by H. C. Sherman and M. L. Caldwell.

Education (Teachers College)

Columbia University contributions to education. New York, Teachers college, nos. 109–17.

109 Theories of Americanization. A critical study with special reference to the Jewish group. By Isaac B. Berkson. 226p. $3.00.

110 Education for the disabled in war and industry. By A. G. Crane. 83p. and plates. $1.75.

111 A comparative study of achievement in country and town schools. By Norman Frost. 70p. Cloth, $1.50.

112 Function of ideals and attitudes in social education. By Paul F. Voelker. 126p. Cloth, $1.80.

113 Interest factors in primary reading. By Fannie Wyche Dunn. 70p. Cloth, $1.60.

114 Empirical studies in school reading. By James Fleming Hosic. 174p. Cloth, $2.50.

115 Trade tests in education. By Herbert A. Toops. 118p. Cloth, $2.00.

116 Changes in mental traits with age: determined by individual re-tests. By Fowler Dell Brooks. 88p. Cloth, $1.60.

117 The place of the elementary calculus in the senior high school mathematics. By Noah Bryan Rosenberger. 82p. Cloth, $1.60.

The teacher's word book. By Edward L. Thorndike. 138p. 74 cents.

A syllabus in the philosophy of education. Questions for discussion

with reading references and topics for papers. By William Heard Kilpatrick. 76p. 75 cents.

Vocational homemaking education: illustrative projects, edited by David Snedden. 150p. $1.50.

Recent developments in child feeding. By Mary Swartz Rose. 16p. 15 cents.

The Woody arithmetic scales: how to use them. By Clifford Woody. 38p. 60 cents.

Standardized reasoning tests in arithmetic and how to utilize them. By Cliff W. Stone. 33p. 65 cents.

Educational tests and scales:

Exercises in judging poetry. Series X and Y. Prepared by Allan Abbott and M. R. Trabue.

Thorndike-McCall reading scales. Prepared by E. L. Thorndike and William A. McCall.

Rogers test of mathematical ability. Prepared by Agnes L. Rogers.

Briggs English form test Alpha and Beta.

English and Comparative Literature

Columbia University studies in English and comparative literature. New York, Columbia University press.

BOLWELL, Robert Whitney. The life and works of John Heywood. xiii, 188p. $2.50.

Geology

Contributions from the geological department of Columbia University. v. 28, nos. 4–5; v. 29, nos. 12–17.

v. 28, no. 4. The geology of the Coamo-Guayama district, Porto Rico, by E. T. Hodge. Scientific survey of Porto Rico and the Virgin Islands, 1:111–228, 1920.

5. The mineralogy of the feldspars, by H. L. Alling. Reprinted from the *Journal of geology*, 29:193–296, April–May.

v. 29, no. 12. Judging the quality of Portland cement, by R. J. Colony. *American institute of mining and metallurgical engineers papers*, no. 1039, January.

13. The Stanley shale of Oklahoma, by C. W. Honess. Reprinted from the *American journal of science*, 50:63–80, January.

14. Geographic aspects of the Adriatic problem, by D. W. Johnson. Reprinted from the *Proceedings of the American philosophical society*, 59:512–516, 1920.

15. The rôle of the earth sciences in the war, by D. W. Johnson. Reprinted from the New world of science, p. 177–217. (Edited by Yerkes, R. M.) 1920.

16. (a) Description of a skull of the extinct Madagascar crocodile, *Crocodilus robustus* Vaillant and Grandidier. (b) Skull characters and affinities of the extinct Florida gavial *Gavialosuchus americana* (Sellards). (c) *Brachygnathosuchus braziliensis*, a new fossil crocodilian from Brazil, by C. C. Mook. Reprinted from the *Bulletin of the American museum of natural history*, 44:25–49, April.

17. *Allognathosuchus*, a new genus of Eocene crocodilians. Description of a skull of a Bridger crocodilian. The skull of *Crocodilus acer* Cope, by C. C. Mook. Reprinted from the *Bulletin of the American museum of natural history*, 44:105–121, April.

History, Economics and Public Law

Studies in history, economics, and public law, ed. by the faculty of political science of Columbia University, v. 97, nos. 2–3; v. 98, no. 1; v. 99, nos. 1–2; v. 100, nos. 1–2; v. 101, no. 1. New York, Columbia University.

v. 97, 1921. 752p. $8.50.

2. (221) Social aspects of the treatment of the insane, by J. A. Goldberg, Ph.D.

3. (222) The free negro in Maryland, by James M. Wright, Ph.D.

v. 98, 1921.

1. (223) Origins of modern German colonialism, 1871–1885, by Mary E. Townsend, Ph.D.

v. 99, 1921.

1. (225) The economic history of China: a study of soil exhaustion, by Mabel Peng-hua Lee, Ph.D.

2. (226) Japan's financial relations with the U. S., by G. G. Odate.

v. 100, 1921.

1. (227) Contemporary British opinion during the Franco-Prussian war, by Dora Neill Raymond, Ph.D.

2. (228) French contemporary opinion of the Russian revolution of 1905, by Encarnacion Alzona.

v. 101, 1921–22.

1. (229) State taxation of personal incomes, by Alzada Comstock, Ph.D.

Political science quarterly, edited for the Academy of political science in the city of New York by the faculty of political science of Columbia University, Robert Livingston Schuyler, editor. Academy of political science, v. 36.

Proceedings of the Academy of political science in the city of New York, edited by Robert Livingston Schuyler.

v. 9, no. 2. American foreign trade relations. February, 1921.

no. 3. National expenditures and public economy. July, 1921.

Library

Columbia University library. Information for summer session students. 4p.

Columbia University library. Information for university students. 4p.

Masters essays, 1921. 40p.

University bibliography, 1920. 66p

Mines, Engineering and Chemistry

Engineering and scientific papers.

3 Judging the quality of Portland cement, by R. J. Colony. Reprinted from *Mining and metallurgy*, 169:30–31, January.

4 Bearing of a synthetic dye industry upon our national welfare, by Marston Taylor Bogert. Reprinted from the *Journal of the Franklin institute*, 191:445–472, April.

5 Measurement of vapor pressures of certain potassium compounds, by Daniel D. Jackson and Jerome J. Morgan. Reprinted from the *Journal of industrial and engineering chemistry*, 13:110, 225, 292, February, March and April.

6 Thermal decomposition of shales, by Ralph H. McKee and E. E. Lyder. Reprinted from the *Journal of industrial and engineering chemistry*, 13:613 and 678, July and August.

7 Internal combustion engines in marine service, by Charles Edward Lucke. Reprinted from the *Journal of the Franklin institute*, 192:11–25, 203–232, July–August.

Philosophy and Psychology

Columbia University contributions to philosophy and psychology, edited by R. S. Woodworth. New York, Science press. v. 27, no. 2.

v. 27, no. 2. NACCARATI, Sante. The morphologic aspect of intelligence. 44p. Tables (*Archives of psychology*, no. 45). Paper $.70; cloth, $1.10.

Introduction to contemporary civilization. A syllabus. 3d edition. New York, Columbia university press. 161p. $1.25.

Physics

Phoenix physical laboratory contributions, nos. 48–49.

48 The magnetic susceptibility of nickel and cobalt chloride solutions, by Laura Brant. Reprinted from the *Physical review*, 17:678–99, June.

49 An experimental study of the reflection of x-rays from calcite, by Bergen Davis and W. M. Stempel. Reprinted from the *Physical review*, 17:608–623, May.

Romance Languages and Literatures

Columbia University studies in Romance philology and literature. New York, Columbia University press.

BEARDSLEY, Wilfred Attwood. Infinitive constructions in old Spanish. xiv, 279p. $2.50.

DAWSON, John Charles. Toulouse in the renaissance. The floral games, university and student life, Etienne Dolet (1532–1534). Part I. The floral games of Toulouse (Les jeux floraux). xiv, 87p. facsims. $1.50.

FORD, Harry Egerton. Modern Provençal phonology and morphology. Studies in the language of Frédéric Mistral. vi, 93p.

Romanic review; a quarterly journal edited by H. A. Todd and Raymond Weeks. New York, Columbia University press, v. 12. $3.

University Extension

Institute of arts and sciences. Fortnightly bulletin. v. 8, nos. 6–12; v. 9, nos. 1–5.

Eighth annual report, 1920–21.

Ninth annual announcement, 1921–22.

III. COLUMBIA UNIVERSITY PRESS

Many of the recent publications of the University Press belong to the various series of departmental studies and are listed in this bibliography in section II, Departmental Publications, under the appropriate department headings. The following list of Press publications includes only such works as do not belong to any of the departmental series.

The Anglican theological review, a quarterly journal edited by Samuel A. B. Mercer, A. Haire Forster and Frank H. Hallock. v. 4. $4.

HAIG, Robert Murray, editor.

The federal income tax. 277p. $2.75.

BARD, Samuel. Two discourses dealing with medical education in early New York. v.p. Portrait. $1.

FLETCHER, Jefferson B. Symbolism of the Divine comedy. viii, 245p. $2.

Introduction to contemporary civilization. A syllabus. Third edition. 161p. $1.25.

IV. ALUMNI AND STUDENT PUBLICATIONS

Barnard bear (4 nos. during the college year). 90c. a year, 25c. a number.
v. 17 is the current volume.

Barnard bulletin (weekly during the college year except the last two weeks in January). $1.75 a year, mailing price $2, 7c. a number.
v. 26 is the current volume.

Barnard College blue book, 1921–22. Published and presented by the Undergraduate association of Barnard College. 156p.

Bulletin of the Associate alumnae of Barnard College.
v. 10, April, 1921.

Columbia alumni news (weekly during the college year and once in June). Published by the Alumni federation of Columbia University. $3 a year, 15c. a number.
v. 13 is the current volume.

Columbia blue book, 1921–22. Published by the Columbia University Christian association. 198p.

Columbia law review (monthly November–June). $4.50 a year, 70c. a number.
v. 21, 1921.

Columbia spectator. Official organ of the students of Columbia University (daily except Sunday during the college year). $5 a year, 3c. a number.
v. 66 (misnumbered 52) is the current volume.

Columbian, 1921. Published by the Senior class, 1921. 357p.

Jester (monthly during the college year). $2 a year, 25c. a number.
v. 22 is the current volume.

Morningside (6 times during the college year). $1 a year, 15c. a number.
v. 10 is the current volume.

Mortarboard, the year book of Barnard College. Published by the Junior class, 1921.
v. 28 published by the class of 1922. 232p.

Teachers College blue book, 1921–22. Published and presented by the religious organizations of Teachers College. 130p.

Varsity (5 times during the college year). $1 a year, 25c. a number.
v. 3 is the current volume.

Weekly bulletin, Teachers College. Published and presented by the Students' executive council.
v. 7 is the current volume.

V. PUBLICATIONS OF OFFICERS OF THE UNIVERSITY

Administration

BUTLER, Nicholas Murray. Direct primaries. *Forum*, January, 92–94.

Remarks at the annual dinner of the Society of the older graduates, University club, January 12.

Builders of the nation; address at

the Masonic temple under the auspices of Marshall lodge, January 13.

The economic outlook; address at the annual dinner of the Chamber of commerce of the Borough of Queens, Hotel Commodore, January 19; published in *Queensborough*, February, p. 44–64.

Remarks accepting the portrait of Dean Emeritus Samuel W. Lambert of the Medical school, January 28, *Columbia alumni news*, February 4, p. 264.

The relation of the European situation to American business; address before the City athletic club, New York, January 29.

Great men of Columbia: what it has contributed to the finest fibre of the city. *The Metropolis*, New York, February 1.

Sketch of Benjamin B. Lawrence, '78. *Columbia alumni news*, February 4, p. 265–66.

Remarks at Alumni day exercises in honor of John Purroy Mitchel, February 12. *Ibid.*, February 18, p. 292.

Introduction to: Great men and great days, by M. Stephane Lauzanne, editor of *Le Matin*. New York, D. Appleton & co.

National dependence and interdependence; address at the annual banquet of the Chamber of commerce, Philadelphia (Bellevue-Stratford) February 23.

Address at reception given by the Instituto de las Españas en los Estados Unidos to the Spanish Ambassador, Señor Riano, in Avery Hall, February 24.

Foresight; address at the annual banquet of the Insurance society of New York, Hotel Astor, February 25.

The task of the new administration; an interview. *Magazine of Wall street*, March 19, p. 665, 720, 733, 736.

Remarks at the dinner of the Japan society in honor of Baron Megata, Hotel Astor, March 23.

Review of: Robert Lansing's The peace negotiations, *New York herald*, March 25. French translation "L'opinion américaine et la paix" in *France-États-Unis*, September and November.

Real versus imaginary politics; address before the Women's national republican club, New York, March 31.

Remarks at Union league club, Brooklyn, at dinner in honor of Rev. S. Parkes Cadman, April 9.

Address at the public meeting under the auspices of the Greek liberal association in honor of the 100th anniversary of the independence of Greece, at the Lexington theatre, New York, April 10.

Address at mass meeting in honor of Professor Weizmann and Professor Einstein, at 69th regiment armory, New York, April 12.

Address before Republican county committee of King's county, at Kismet hall, Brooklyn, April 12.

Address as presiding officer at the banquet of the France America society in honor of M. Viviani, at the Waldorf-Astoria, April 13.

Address at annual dinner of the Columbia University club of New England, at Boston City club, April 15.

Address at the service in celebration of the 10th anniversary of the consecration of the choir and the crossing of the Cathedral of St. John the Divine, April 17.

Remarks at the luncheon in honor of President-elect James R. Angell of Yale university, at University club, New York, April 23.

The place of the university in modern civilization; address at the annual dinner of the Columbia alumni in the District of Columbia, University club, Washington, April 28.

The economic aspects of international law and international organization; address at the 12th annual banquet of the American society of international law, Shoreham hotel, Washington, April 30; printed in its *Proceedings*.

Letter to the editors of the 1921 *Columbian*.

Address at the annual meeting of the Alumni association of the schools of mines, engineering and chemistry, Columbia University club, May 5.

Address for the ceremony at King's college, Windsor, Nova Scotia, May 12. *King's college record*, Windsor, Nova Scotia.

Faith in the future; Commencement day address, June 1, *Columbia alumni news*, 12; no. 33, p. 524–525, June–July.

Address at alumni luncheon, June 1, *Ibid.*, 12; no. 33, p. 531–532, June–July.

Arthur S. Dwight; an appreciation, *Ibid*, 12; no. 33, June–July.

Introduction to: Dr. Samuel Bard's Medical education in early New York. New York, Columbia University press.

Alexander Hamilton; address before the Hamilton republican club, New York, June 8.

Study of American history; remarks at the opening lecture on the Watson Foundation by the Rt. Hon. Viscount Bryce, Mansion House, London, June 27.

Cooperation of the English-speaking peoples; remarks at luncheon of the English-speaking union at Hyde Park hotel, London, June 28.

Present problems in foreign policy; remarks at meeting of the Committee on foreign relations, House of Commons, London, June 28 and July 5.

The work of the Pilgrims; remarks at dinner of The Pilgrims, Victoria hotel, London, June 28.

The law the surest basis of peace; remarks at luncheon tendered by the Benchers of Gray's Inn, London, June 29.

Remarks at the Independence Day dinner of the American society in London, Hotel Cecil, July 4.

Remarks at the annual meeting of the European council of Conciliation internationale, Paris, July 11 and 13.

Remarks at the luncheon tendered by M. Léon Bourgeois, President of the Senate, Palais du Luxembourg, Paris, July 11.

Remarks at the banquet tendered by the Comité France-Amérique and other organizations, at the Cercle interallié, Paris, July 11.

Remarks at the reception tendered by the Municipal council of the city of Paris, Hôtel de Ville, July 13.

Remarks at the reception tendered by the Rector and Council of University of Paris, at the Sorbonne, July 13.

Present state of public opinion in the United States; address at the Cour de cassation, Paris, July 18. *Revue des deux mondes*, August 15;

also printed in pamphlet by Comité national d'études sociales et politiques.

Remarks at the laying of the cornerstone of the new library at Rheims, July 19.

Remarks on being received by the Académie française, Paris, July 21.

Address at the laying of the cornerstone of the library of the University of Louvain, July 28.

Alexander Hamilton. 100th anniversary number of *The Lyons republican*, Lyons, N. Y., August 3.

Les adieux d'un ami. *Le Matin*, September 1.

Un ami de la France; an interview. *Le Figaro* (Paris), September 1

European opinion and the Washington conference. *New York Times*, September 11.

Address at opening of the Medical school, September 28.

Address at opening of the 168th academic year, Columbia University gymnasium, September 28. *Columbia alumni news*, 13: 2–3.

Greeting to alumni. *Ibid.*, 13:1, September 30.

Greeting to students. *Columbia spectator*, September 30.

Statement printed in *Columbia blue book*, 1921–22.

Scholarship and service. New York, Charles Scribner's sons.

Remarks at dinner given by the members of the University faculties in celebration of the 20th anniversary of President Butler's election to the presidency, Hotel Pennsylvania, October 3.

The great tradition; address at the University assembly, university gymnasium, October 4. *Columbia spectator*, October 5.

America's obligation and America's opportunity; address before the Chamber of commerce, Dayton, Ohio, October 12; French translation printed in *Revue de Paris*, December 1.

Some problems of business and government; address at the dedication of the new rooms of the Board of trade and transportation, New York, October 19. *Board of trade journal*, November.

The closing door; address at the annual convocation of the University of the state of New York, Albany, N. Y., October 20, *American education*, November 1, p. 113–116; *Educational review*, 62:422–427, December.

The municipal campaign of 1921; address at the Morris high school, Borough of Bronx, October 28.

The Belgian spirit. *Review of reviews*, November, p. 524.

Introduction to: Professor Jefferson B. Fletcher's Symbolism of Dante's Divine comedy. New York, Columbia University press.

Message to New Jersey alumni, printed in their Announcement for November.

Business problems and public policy; address at the annual banquet of the Jersey City Chamber of commerce, Elks club, Jersey City, N. J., November 8.

The problems of the Washington conference on the limitation of armaments; address at the Armistice Day celebration, Lafayette Avenue Presbyterian Church, Brooklyn, N. Y., November 11.

Address at the reception to Marshal Foch, at the Columbia University convocation, November 19, *Columbia alumni news*, December 2, p. 98–99.

Address as President of the France

America society at banquet in honor of Marshal Foch, Waldorf Astoria Hotel, November 19; French translation printed in *France-États-Unis*, January, 1922.

Address at the annual Thanksgiving service in St. Paul's chapel, Columbia University, November 22.

Address at reception to Monsieur Briand, Columbia University, November 24. *Columbia alumni news*, December 2, p. 99.

Address at banquet of the Lotos club in honor of M. Briand, November 24.

The changing foundations of government; address at annual banquet of the Illinois bar association, in honor of the judges of the Supreme court of the state of Illinois, at Drake hotel, Chicago, December 10; printed in *American Bar Association Journal*, January 1922, p. 7–11; also in *American Law Review*, January and February, 1922, p. 1–16.

Address at mid-winter reunion of the Columbia University alumni, Columbia University club, December 29.

Annual report of the president of Columbia University, 1921, 62p.

Annual report as director of the Division of intercourse and education of the Carnegie endowment for international peace, *Year book*, 1921, p. 35–72.

CARPENTER, William H. The significance of education; an address delivered at the centennial exercises of the Philadelphia college of pharmacy and science. *American journal of pharmacy*, 93: 524–33, August.

HAWKES, Herbert E. Plane geometry (in collaboration). Teachers edition. New York, Ginn, 1920. 314p.

TRUSTEES

Columbia University

LOVETT, Robert S. Railroad consolidations. *World's work*, August.

Trust funds for Allies. *New York Times*, 2 October.

PARSONS, William Barclay. Commencement sermon at Trinity college. *Trinity college bulletin*.

PINE, John Buckley. The story of Gramercy park; 1831–1921. New York, Gramercy Park association. 53p. Repr., with additions, from Valentine's Manual.

Editor: Charters, acts of the legislature, official documents and records. Rev. and enl. ed. New York, The University, 1920. 633p.

Editor: Columbia university hymnal. New York, Publ. for the University by the H. W. Gray co.

Barnard College

MEYER, Annie Nathan. The revival of The beggar's opera. *Bookman*, February.

A literary portrait gallery. *Ibid.*, March.

Why seats for two? *Harper's magazine*, May.

"P's & Q's," a farce-comedy. New York, Samuel French.

Production of a play, "The district attorney," Buffalo, New York.

Contribution to, "My maiden effort." Doubleday, Page & Co. Published by the Authors League of America for the benefit of its Authors fund.

SHELDON, Edward W. Historial review of Bloomingdale hospital: in, A psychiatric milestone. New. York, Privately printed by the Society of the New York hospital.

Historical address: in, Commemorative exercises 150th anniversary. New York, Privately printed by the Society of the New York hospital.

Teachers College

MORRIS, Newbold. Limitation of armaments. *National service*, December.

The opportunity of the church. *Pastoral staff*, January.

Agriculture

FINDLAY, Hugh. Repairing broken limbs. *House and garden*, 39:64–66, March.

Garden hints. *Independent*, 105: 145, 5 February; p. 244, 5 March; p. 350, 2 April; p. 490, 7 May.

HOBSON, Asher. Farmers' cooperative associations. *American economic review*, 11:221–27.

Fundamentals of cooperation. *Journal of farm economics*, vol. 3, no. 1.

Anatomy

DANCHAKOFF, Vera. Digestive activity of mesenchyma. (a) The Ehrlich sarcoma cells as object. *American journal of anatomy*, 29:431–91, November.

Anthropology

BOAS, Franz. Old world traits transplanted. *New York times, magazine section*, 6 February.

The problem of the American negro. *Yale review*, January.

Der seelenglaube der Vandau. *Zeitschrift für ethnologie*, heft 1: 1–5, 1920–21.

The coefficient of correlation. *Quarterly publication of the American statistical association*, 17:683–88, June.

GODDARD, Pliny E. Indians of the Southwest, second edition. New York, American museum of natural history. 194p.

SAVILLE, Marshall H. The goldsmith's art in ancient Mexico. New York, Museum of the American Indian, Heye foundation. 264p.

Bladed war clubs from British Guiana. New York, Museum of the American Indian, Heye foundation. 12p.

A golden breastplate from Cuzco, Peru. New York, Museum of the American Indian, Heye foundation. 8p.

Bibliographic notes on Uxmal, Yucatan. *Indian notes and monographs*, 9:51–131.

Editor: Reports on the Maya Indians of Yucatan. *Ibid.*, 9:132–226.

An ancient skeleton discovered in Ecuador. *Science*, 19 August.

Bacteriology

DEIBERT, Olin. A test-tube rack for serological work. *Journal of immunology*, 6:249, July.

KUTTNER, Ann G. On the influence of tissue enzymes on the bacteriophage principle. *Proceedings of the Society for experimental biology and medicine*, 18:222–25, April.

Preliminary report on the bacteriophage phenomenon. *Ibid.*, 18: 158–63, February.

MORISHIMA, Kan-Ichiro. Variations in typhoid bacilli. *Journal of bacteriology*, 6:275, May.

MUELLER, J. Howard. Growth-determining substances in bacteriological culture media. *Proceedings of the Society for experimental biology and medicine*, 18: 225–28, April.

OTTENBERG, Reuben. Hereditary blood qualities. *Journal of immunology*, 6:363–85, September.

Medico-legal application of human blood grouping. *Journal of the American medical association*, 77: 682–83, 27 August.

Practical aspects of blood transfusion. *Medical clinics of North America*, 4:1509–17, March.

PARKER, Frederick, Jr. The Sachs-Georgi test for syphilis (with Angelica V. R. Haigh). *Archives of dermatology and syphilology*, 4:67–74, July.

PARKER, Julia T. The antigenic properties of ragweed pollen. *Proceedings of the Society for experimental biology and medicine*, 18:237–40, April.

ZINSSER, Hans. On the essential identity of the antibodies. *Journal of immunology*, 6:289, September.

Report on anaphylactic deaths in guinea pigs from intracutaneous injection of small amounts of egg albumin (with S. T. Wu). *Proceedings of the Society for experimental biology and medicine*, 18: 261–63, April.

Studies on the tuberculin reaction and on specific hypersensitiveness in bacterial infection. *Journal of experimental medicine*, 34:495–524, November.

A text-book of bacteriology (with Frederick F. Russell). 5th ed. New York, Appleton. 1193p.

Biological Chemistry

BERMAN, Louis. The glands regulating personality. New York, Macmillan. 300p.

Hyperchlorhydria in childhood. *New York medical journal*, 114: 226–28, 17 August.

Iron as a growth factor in infancy. *Medical record*, 100:588–91, 1 October.

A rapid method for the determination of water-soluble vitamin B. *Journal of the American medical association*, 76:307–08, 29 January.

FUNK, Casimir. The anti-beriberi vitamine. *Journal of industrial and engineering chemistry*, 13: 1110–11, December.

Vitamine requirements of certain yeasts and bacteria (with H. E. Dubin). *Journal of biological chemistry*, 48:437, November.

The vitamines of yeast and their rôle in animal nutrition (with H. E. Dubin). *Proceedings of the Society for experimental biology and medicine*, 19:15–16, October.

GIES, William J. Dental abstracts (signed). *Journal of dental research*, (each quarterly issue).

The dentrifice problem. *Journal of the National dental association*, 8:851–59, October.

The effect of tobacco on man (with Max Kahn and O. V. Limerick). *New York medical journal*, 113:809–11, 1 June.

Endowment fund for the support of the Journal of dental research, 9th report. *Journal of dental research*, 3:239–40, March; 10th report, *Ibid.*, 3:297–98, June.

Experimental studies of the validity of advertised claims for products of public importance in relation to oral hygiene or dental therapeutics. 7. A study of some of the chemical qualities of Listerine tooth-paste (with Maxwell Karsham). *Ibid.*, 3:353–60, September.

Fundors of the Journal of dental research. (3rd Annual report).

Ibid., (introductory pages), December.

Research in dentistry (Address). Proceedings of the Harriet Newell Lowell society for dental research. *Ibid.*, 3: section on proceedings, xciii–cii, September.

Studies of the effect of vitamine-deficient diet on the teeth (discussion). *Dental cosmos*, 63:1152–54, November.

Editor (with Hattie L. Heft and E. G. Miller, Jr.): of the Biological department of *Chemical abstracts*.

Managing editor: *Journal of dental research.*

HARROW, Benjamin. Vitamines. New York, Dutton. 219p.

HEFT, Hattie L. Editor (with William J. Gies and E. G. Miller, Jr.): of the Biological department of *Chemical abstracts*.

KAHN, Max. Acute yellow atrophy of the liver (with J. Barsky). *Archives of internal medicine*, 28:142–50, August.

Angina pectoris of diabetes. *Journal of the American medical association*, 76:570–71, 26 February.

Clinical method for the quantitative estimation of calcium in blood (with L. S. Hadjopoulos). *Proceedings of the Society for experimental biology and medicine*, 18:200, March.

The effect of tobacco on man (with William J. Gies and O. V. Limerick). *New York medical journal*, 113:809–11, 1 June.

Phenoltetrachlorphthalein estimation in the duodenal contents. *Journal of the American medical association*, 77:41, 2 July.

Problems of the dietitian in the care of out-patient poor suffering from diseases of metabolism. *Hospital social service*, 6:301–05; also in *Journal of home economics*, 13:213–16.

Studies of the chemistry of the body in diseases of the skin (with O. L. Levin). *American journal of the medical sciences*, 162:698–704, November.

KARSHAN, Maxwell. Experimental studies of the validity of advertised claims for products of public importance in relation to oral hygiene or dental therapeutics. 7. A study of some of the chemical qualities of Listerine toothpaste (with William J. Gies). *Journal of dental research*, 3:353–60, September.

MILLER, Edgar G., Jr. Determination of total ether-soluble material in feces (abstract only) (with R. G. Freeman, Jr.). *Proceedings of the New York academy of medicine;* also in *Medical record*, 99:163, 22 January.

PATON, Julia B. Pollen and pollen enzymes. *American journal of botany*, 8:471–550, December.

Botany

BRITTON, Nathaniel Lord. Investigation of the flora of northern South America. *Science*, n.s. 53: 29–30, 14 January.

William Harris. *Journal of the New York botanical gardens*, 22: 13–14, January

Francis Lynde Stetson. *Ibid.*, 22: 44–45, February.

The leafy spurge becoming a pest. *Ibid.*, 22:73–75, April.

Further botanical studies in Trinidad. *Ibid.*, 22:93–102, May.

Stewardson Brown. *Ibid.*, 22:110–12, June.

Neoabbottia, a new cactus genus from Hispaniola (with J. N.

Rose). *Smithsonian Miscellaneous collections*, 72:6, 15 June.

George Valentine Nash. *Journal of the New York botanical garden*, 22:145–48, August.

Dr. Pennell's new position. *Ibid.*, 22:171–72, September.

The cacti of Trinidad. *Trinidad and Tobago Bulletin*, 19:81–87.

Business

BLANCHARD, Ralph H. Corporate bonding (with George D. Moore). *Proceedings of the Casualty actuarial and statistical society of America*, 7:23–35.

The making of rates for workmen's compensation insurance. *Insurance age*, 50:37–39, February.

Deductible average. *Insurance age*, 50:88.

Experience grading and rating schedule. *Eastern underwriter*, 22: 1, 24–26.

BONBRIGHT, James C. Earning power as a basis of corporate capitalization. *Quarterly journal of economics*, 35: 482–90, May.

BRISSENDEN, Paul F. Review of: Organized labor in American history. *Administration*, 2: 125–28, July.

The causes of labor turnover (with Emil Frankel). *Ibid.*, 2: 649–67, November.

Justice and the I. W. W. *Labor age*, December.

BYRNES, Thomas W. Contractors' accounts: Chapter in, Accounting theory and practice, by R. B. Kester, vol. 3. New York, Ronald press.

EDWARDS, George W. Business and banking (with H. P. Willis). New York, Harper.

Commercial credit instruments and practice in financing foreign trade. New York, American acceptance council.

Bankers' acceptances and the New York market. *Canadian bankers magazine*, January.

Standardized American letter of credit. *Trust companies*, June.

Commercial letter of credit. *Federal reserve bulletin*, February.

Forms of commercial letters of credit. *Ibid.*, April.

Practice under commercial letter of credit. *Ibid.*, June.

Authority to purchase. *Ibid.*, August.

Application for letter of credit. *Ibid.*, October.

Politics in colonial New York. *Political science quarterly*, December.

EGBERT, James C. Annual report as president of the Archaeological institute of America. *Bulletin of the Archaeological institute of America*, December.

HAIG, Robert Murray. Editor: The federal income tax. New York, Columbia University press. 271p.

Concept of income: in, The federal income tax. New York, Columbia University press.

A statistical analysis of the rise in the prices of cotton goods. *Journal of commerce*, 18 October.

The revenue act of 1921. *Journal of the American bankers' association*, April.

The crisis in state and local taxation of banks. *Journal of the American bankers' association*, October. Substance reprinted in *Bulletin of National tax association*, December.

Statement in response to Mr. Joern's dissenting opinion to the Report of the Special revenue

commission to the governor and legislature of the State of New Mexico. Sante Fé.

Is increase in capital income? *New York evening post*, March, 1921. Printed also in the *Bulletin of the National tax association.*

The exemption of mortgage interest as a solution of the housing problem. *Proceedings of the National tax association*, p. 226–34.

Some aspects of the revenue act of 1921. *Engineering and mining journal*, 112:1011–12, 24 December.

KESTER, Roy B. Fundamentals of accounting (with S. B. Koopman). New York, Ronald press. 496p.

Accounting theory and practice, vol. 3 (with James O. McKinsey and others). New York, Ronald press. 718p.

Business research. *Simmons' spice mill*, 42:1684–91, December, 1919.

Business research. *Tea and coffee trade journal*, 37:554–55, December, 1919.

Aim and scope of graduate and research work in accounting. *American association of university instructors in accounting. Papers and proceedings*, 5:20.

MILLER, Nina. Chapter 8 in, Accounting theory and practice, by R. B. Kester, vol. 3. New York, Ronald press.

MILLS, Frederick C. A course in the principles of economics (with William E. Weld). New York, Columbia University press. 92p.

MONTGOMERY, Robert H. Income tax procedure, 1921. New York, Rona d. 1206p.

Federal excess profits tax procedure, 1921. New York, Ronald. 594p.

New York state income tax procedure, 1921. New York, Ronald. 682p.

Auditing theory and practice, third edition, vol. 1. New York, Ronald. 730p.

SMITH, J. Russell. Human geography. Book I, Peoples and countries. Chicago, Winston. 375p.

VAN METRE, Thurman W. Economic history of the United States. New York, Holt.

Principles of railroad transportation (with Emory R. Johnson). Revised edition. New York, Appleton.

The railroad predicament: how it arose and how to get out of it. *Annals of the American academy of political and social science*, 97: 99–102, September.

WILLIS, H. Parker. Business and banking (with G. W. Edwards). New York, Harper. 550p.

Seventy-five years of American banking. *Bankers magazine*, June.

The Federal reserve act. *Annals of the American academy of political and social science*, December.

Cancer Research

BULLOCK, Frederick D. The experimental production of sarcoma of the liver of rats (with Maynie R. Curtis). *Proceedings of the New York pathological society*, 20:149–71, October–December, 1920.

CURTIS, Maynie R. The experimental production of sarcoma of the liver of rats (with Frederick D. Bullock). *Ibid.*, 20:149–71, October–December, 1920.

KREHBIEL, Otto F. The relation of the endocrine system to the glycemic reaction following the injection of homologous protein

(with George L. Rohdenburg). *American journal of the medical sciences*, 162:28–40, July.

KROSS, I. Effect of blood from immune animals upon transplantable tumors. *Journal of cancer research*, 6:25–30, January.

Parabiosis and tumor growth. *Ibid.*, 6:121–26, April.

PRIME, Frederick. Effect of a reduction of lymphocytes on the growth rate of transplanted spontaneous tumors in mice. *Ibid.*, 6:1–5, January.

Effect of combined radiation and heat on neoplasms (with George L. Rohdenburg). *Archives of surgery*, 2:116–29, January.

Associate editor: *Journal of cancer research.*

ROHDENBURG, George L. Effect of combined radiation and heat on neoplasms (with Frederick Prime). *Archives of surgery*, 2: 116–29, January.

Quiescent metastatic gastric carcinoma. *Proceedings of the New York pathological society*, 20: 141–44, October–December, 1920.

The relation of the endocrine system to the glycemic reaction following the injection of homologous protein (with Otto F. Krehbiel). *American journal of the medical sciences*, 162:28–40, July.

A tumor of the thymus gland. *Proceedings of the New York pathological society*, 20:97–99, October-December, 1920.

The Wassermann test and its limitations in diagnosis and treatment (with A. L. Garbat, Leo Spiegel and P. J. Manheim). *Journal of the American medical association*, 76:14–16, 1 January.

WOGLOM, William H. Experimental tar cancer in mice (with J. A Murray). *Imperial cancer research fund. Scientific report*, no. 7:45–61.

Editor: *Journal of cancer research.*

Abstract editor: *Abstracts of bacteriology.*

WOOD, Francis Carter. The campaign against cancer. *Nebraska state medical journal*, 6:261–66, September.

Cancer. *Health news*, n. s. 16:170–73, September.

Cancer and the new X-rays. *Weekly review*, 95:221–22, 9 March.

Experimental studies in radiotherapy. *Transactions of the Association of American physicians*, 35:144–54, 1920.

The Glover cancer serum. *Journal of the American medical association*, 76:885, 26 March.

Chemical Engineering

BAEKELAND, Leo H. The engineer; human and superior direction of power *Science*, 54:417–424, 4 November.

Further studies on phenolic hexamethylene-tetramine compounds. *Journal of industrial and engineering chemistry*, 13:135, February.

JACKSON, Daniel D. Iron tannage (with T. P. Hou). *Journal of the American leather chemists' association*, February–May.

Measurement of vapor pressures of certain potassium compounds (with J. J. Morgan). *Journal of industrial and engineering chemistry*, 13:110, February.

An application of the vapor pressures of potassium compounds to the study of the recovery of potash by volatilization (with J. J. Morgan). *Journal of industrial*

and engineering chemistry, 13: 292, April.

Laboratory technique in the B. Welchii test for water supplies. *Engineering news record*, 86:1001–3, 9 June.

McKee, Ralph H. Potato drying in Germany: discussion of paper by Dr. H. Jordon. *Journal of American society of heating and ventilating engineers*, 27:14, January.

Synthesis of chlorine-free benzoic acid from benzene (with Frank A. Strauss). Part I. *Chemical and metallurgical engineering*, 24:638, 13 April; Part II. *Ibid.*, 24:697, 20 April.

The hydrolysis of fats by reagents made from cymene (with Leland J. Lewis). *Ibid.*, 24:969–75, 1 June.

The thermal decomposition of shales (with E. E. Lyder). *Journal of industrial and engineering chemistry*, 13:613–18, July; and 13: 678–84, August.

Fat-splitting reagents from cymene (with Leland J. Lewis). *American perfumer and essential oil review*, June.

Fat-splitting reagents from cymene (with Leland J. Lewis). *Chemical trade journal and chemical engineer*, 69:211–13.

Liquid sulphur dioxide in oil extraction. *Chemical age*, 29:425, October.

Apparatus for studying thermal decomposition of oil shales (with E. E. Lyder). *Chemical and metallurgical engineering*, 25:1100–01.

Thermal decomposition of oil shale. Heat effects (with E. E. Lyder). *Railroad red book*, 9:797–801, September; 9:870–74, October; 9:933–38, November; 9:993–1001, December.

Morgan, Jerome J. Measurement of vapor pressures of certain potassium compounds (with D. D. Jackson). *Journal of industrial and engineering chemistry*, 13:110–8, February.

New method for the determination of potassium in silicates. *Ibid.*, 13:225–7, March.

An application of the vapor pressures of potassium compounds to the recovery of potash by volatilization (with D. D. Jackson). *Ibid.*, 13:292–5, April.

City gas supplies: I. Carburetted water gas. *Penn state engineer*, 3:23–9, October.

Chemistry

Beaver, Jacob J. Compound formation in phenol-cresol mixtures. Kingston, Jackson press. 24p.

Bogert, Marston T. Certification a difficult problem *Chemical and metallurgical engineering*, 24:241, 9 February.

Influence of a synthetic dye industry upon our national welfare. *Chemical age*, 29:97–9, March.

Encouraging science, the best way to disarm *New York Globe*, 30 March.

The bearing of a synthetic dye industry upon our national welfare. *Journal of the Franklin institute*, 191:445–72, April. Reprinted as *Bulletin* A209, by *American dyes institute*, 1 April. Also issued as *Columbia university engineering and scientific papers of the schools of mines, engineering and chemistry*, no. 4.

Would disarm German science. *Chemical warfare*, 6:2–3, 5 April.

State income tax injustice. *New York tribune*, 22 April.

Control of German coal. *Ibid.*, 26 April.

Presentation address. *Journal of the National institute of social cience*, 7:71–2.

The new marvels of chemistry in your everyday life. *American magazine*, 92:19, 122–5, September. Also reprinted in *Flushing (N. Y.) journal*, September.

Chemical disarmament. *Technical association of pulp and paper industry, Papers*, 4th series: 122–5, June.

Chemical preparedness. *New Jersey chemical society, Year book*, 1920–21, p. 52–3.

CARPENTER, Clifford D. Review of: Introduction to general chemistry, by Herbert N. McCoy and Ethel M. Terry. *Chemical and metallurgical engineering*, 24: no. 22, 1 June.

Determination of melting points. *Ibid.*, 24: no. 13, 30 March.

HAMMETT, Louis P. Uber die konstitution der hydrazone, insbes. des mesoxalester-hydrazons (with H. Staudinger). *Helvetica chimica acta*, 4:217, March.

Uber die reduktion des diazoessigesters (with H. Staudinger, and J. Siegwart). *Ibid.*, 4:228, March.

HONEYWELL, Hannah E. A study of the sugar in the blood of normal pigeons (with E. L. Scott). *American journal of physiology*, 55:362–65.

Studies of the sugar in the blood of pigeons. *Ibid.*, 58:152–68.

KENDALL, James. The viscosity of liquids. V. The ideality of the system: benzene-benzyl benzoate and the validity of the Bingham fluidity formula (with Kenneth Potter Monroe). *Journal of the American chemical society*, 43: 115–25, January.

The correlation of compound formation, ionization and solubility in solutions. Outline of a modified ionization theory. *Proceedings of the National academy of sciences*, 7:56–62, February.

The melting point of ammonium sulfate (with Arthur W. Davidson). *Journal of industrial and engineering chemistry*, 13:303, April.

Compound formation and solubility in systems of the type: sulfuric acid-metal sulfate (with Arthur W. Davidson). *Journal of the American chemical society*, 43:979–90, May.

The application of ideal solution equations to dilute aqueous solutions. *Ibid.*, 43:1391–96, July.

The factors affecting the stability of addition compounds in solution and their influence upon ionization equilibria. Part I (with Paul M. Gross). *Ibid.*, 43:1416–26, July.

Compound formation and specific conductivity in solutions of the types acid: ester, acid: ketone and acid: acid (with Paul M. Gross). *Ibid.*, 43:1426–39, July.

Compound formation and solubility in systems of the type: formic acid—metal formate (with Howard Adler). *Ibid.*, 43:1470–81, July.

The prediction of solubility in polar solutions (with Arthur W. Davidson and Howard Adler). *Ibid.*, 43, 1481–1502, July.

The solubilities of acids in aqueous solutions of other acids (with

James C. Andrews). *Ibid.*, 43, 1545–60, July.

Compound formation and viscosity in solutions of the types acid: ester, acid: ketone and acid: acid (with Elizabeth Brakeley). *Ibid.*, 43:1826–34, August.

Compound formation and conductivity in systems of the types formic acid: metal formate and sulfuric acid: metal sulfate (with Howard Adler and Arthur W. Davidson). *Ibid.*, 43:1846–53, August.

Compound formation in phenol-cresol mixtures (with J. J. Beaver). *Ibid.*, 43:1853–67, August.

The catalytic influence of foreign oxides on the decomposition of silver oxide, mercuric oxide and barium peroxide (with Francis J. Fuchs). *Ibid.*, 43:2017–31, September.

Facts and fancies about the Oppau explosion. *Chemical and metallurgical engineering*, 25:949, 23 November.

La Mer, Victor K. Changes in organ weight produced by diets deficient in antiscorbutic vitamine (with Miss H. L. Campbell). *Proceedings of the Society for experimental biology and medicine*, 18:32, January.

The effect of temperature and hydrogen ion concentration upon the rate of destruction of the antiscorbutic vitamine. Kingston, Jackson press. 35p. Preliminary report of same (with H. C. Sherman and H. L. Campbell). *Proceedings of the Society for experimental biology and medicine*, 18:122–23, January; see also *Science*, n. s. 54:176, 26 August, and *Proceedings of the National academy of sciences*, 7:279–80, September.

The quantitative measurement of the antiscorbutic vitamine (with H. C. Sherman and H. L. Campbell). *Science*, n. s. 54:176.

Vitamines from the standpoint of physical chemistry. *Journal of industrial and engineering chemistry*, 13, 1108–10, December.

Present status of nutrition and its relation to food manufacture. I. *American food journal*, 16:7–10, July. II. The fat soluble vitamine. *Ibid.*, 16: no. 8, August. III. The water soluble B vitamine. *Ibid.*, 16: no. 9, September.

Reimer, Marie. The preparation of esters by direct replacement of alkoxyl groups (with Helen Rupert Downes). *Journal of the American chemical society*, 43: 947–51, April.

Sherman, Henry C. Chemical investigation of amylases and related enzymes. Annual report as research associate. *Carnegie institution of Washington, Yearbook*, 19:338–40.

The effect of temperature and of hydrogen ion concentration upon the rate of destruction of antiscorbutic vitamine (with V. K. LaMer and H. L. Campbell). *Proceedings of the Society for experimental biology and medicine*, 18:122–23, January.

Third annual report of committee on nutritional problems. American public health association (with C. E. A. Winslow, E. L. Fisk, and I. Greenwald). *American journal of public health*, 11: 166–68, February.

A dietetic production of rickets in rats and its prevention by an in-

organic salt (with A. M. Pappenheimer). *Proceedings of the Society for experimental biology and medicine*, 18:193–97, March.

Growth and reproduction upon simplified food supply, I (with M. E. Rouse, B. Allen, and E. Woods). *Journal of biological chemistry*, 46:503–19, May.

Experimental rickets in rats (with A. M. Pappenheimer). *Journal of experimental medicine*, 34:189–98, August.

The vitamins. *Physiological reviews*, 1:598–630, October.

The effect of temperature and of the concentration of hydrogen ions upon the rate of destruction of antiscorbutic vitamin (vitamin C) (with V. K. LaMer and H. L. Campbell). *Proceedings of the National academy of sciences*, 7:279–81, September.

Effects of certain antiseptics upon the activity of amylases (with M. Wayman). *Journal of the American chemical society*, 43: 2454–61, November.

The influence of certain amino acids upon the enzymic hydrolysis of starch (with F. Walker). *Ibid.*, 43:2461–69, November.

A study of the influence of arginine, histidine, tryptophane and cystine upon the hydrolysis of starch by purified pancreatic amylase (with M. L. Caldwell). *Ibid.*, 43: 469–76, November.

Growth and reproduction upon simplified food supply. II. Influence of food upon mother and young during the lactation period. Preliminary report (with M. Muhlfeld). *Proceedings of the Society for experimental biology and medicine*, 19:76–77, November.

THOMAS, Arthur W. The effect of concentration of chrome liquor upon the adsorption of its constituents by hide substance (with Margaret W. Kelly). *Journal of industrial and engineering chemistry*, 13:31.

The acid titration of chrome liquors (with Stuart B. Foster). *Journal of the American leather chemist's association*, 16:61.

Conditions affecting the quantitative determination of reducing sugars by Fehling solution. Elimination of certain errors involved in current methods (with Francisco A. Quisumbing). *Journal of the American chemical society*, 43:1503.

ZANETTI, J. Enrique. The formation of anthracene from benzene and ethylene (with M. Kandell). *Journal of industrial and engineering chemistry*, 13:208–211, March.

Review of: Patterson's French English dictionary for chemists. *Ibid.*, 13.

Clinical Instruction (Dermatology)

ANDREWS, George C. Injurious combined effects of Roentgen rays or radium, and topical remedies (with George M. MacKee). *Journal of the American medical association*, 77:1489–92, 5 November.

Roentgen dermatitis and radium dermatitis: a comparison (with George M. MacKee). *Archives of dermatology and syphilology*, 4:213–16, August.

Synovial lesions of the skin (with George M. MacKee). *Ibid.*, 4:162–68, August.

The treatment of premature loss of hair (with George M. MacKee).

New York medical journal, 114: 437–42, 19 October.

FORDYCE, John A. Importance of recognizing and treating neurosyphilis in the early period of the infection. *American journal of the medical sciences*, 161:313–27, March.

Laboratory findings in early and late syphilis (with Isadore Rosen). *Journal of the American medical association*, 77:1696–1700, 26 November.

A preliminary report of the therapeutic action of silver arsphenamin. *Archives of dermatology and syphilology*, 4:737–49, December.

MACKEE, George Miller. Injurious combined effects of Roentgen rays or radium, and topical remedies (with George C. Andrews). *Journal of the American medical association*, 77:1489–92, 5 November.

Roentgen dermatitis and radium dermatitis: a comparison (with George C. Andrews). *Archives of dermatology and syphilology*, 4: 213–16, August.

Synovial lesions of the skin (with George C. Andrews). *Ibid.*, 4: 162–68, August.

The treatment of premature loss of hair (with George C. Andrews). *New York medical journal*, 114: 437–42, 19 October.

X-rays and radium in the treatment of diseases of the skin. Philadelphia, Lea and Febiger, 602p.

PARKHURST, Howard James. A rare form of suppurating and cicatrizing disease of the scalp. (Perifolliculitis capitis abscedens et suffodiens) (with Fred Wise). *Archives of dermatology and syphilology*, 4:750–68, December.

ROSEN, Isadore. Laboratory findings in early and late syphilis (with John A. Fordyce). *Journal of the American medical association*, 77:1696–1700, 26 November.

Social aspects of syphilis. *Hospital social service*, 4:183.

WISE, Fred. Clinical and histologic features of certain types of cutaneous tuberculosis (with D. L. Satenstein). *Archives of dermatology and syphilology*, 4:586–608, November.

A rare form of suppurating and cicatrizing disease of the scalp. (Perifolliculitis capitis abscedens et suffodiens) (with Howard J. Parkhurst). *Ibid.*, 4:750–68, December.

Clinical Instruction (Laryngology and Otology)

IMPERATORI, Charles J. Endoscopic excision of a tracheal web. *New York state journal of medicine*, 21:425, November.

Endoscopy as a diagnostic aid in diseases of the upper air passages and esophagus. *Ibid.*, 21:86–89, March

Six cases of foreign bodies in the esophagus and bronchi. *New York medical journal*, 113:438–40, 16 March.

SAUNDERS, Truman Laurance. Acute mastoiditis in the aged. *New York state journal of medicine*, 21:177–78, May.

Clinical Instruction (Orthopedic Surgery)

HUMPHRIES, Robert E. Hibbs operation in the treatment of scolosis. *American medical association. Section on orthopedic surgery. Transactions.*

MILLS, Nathaniel. Congenital malformations of the vertebrae. *Boston medical and surgical journal*, 184:659–66, 23 June.

Dentistry

GILLETT, Henry W. Report on radiographic survey and clinical examination of cases of fixed bridgework. *Dental items of interest*, December

LEAK, William H. Speaking for Dr. Kawakami, a Japanese dentist *Dental cosmos*, 63:1151–52, November.

The text, biggest thing in dentistry. *Ibid.*, 63:1119–25, November.

Before baby has a tooth. *Farmers life*, 33:570, 5 October.

After baby has a tooth. *Ibid.*, 33:604, 6 November.

Those six year molars. *Ibid.*, 33: 642, 7 December.

Diseases of Children

BYARD, Dever S. The Schick test and active immunization with toxin-antitoxin in private practice. *Archives of pediatrics*, 38: 360–64, June.

DOWD, H. Laurence. The diagnosis of malnutrition. *Hospital social service*, 3:366.

GRAVES, Gaylord W. Friedreich's ataxia. *Archives of pediatrics*, 38:737–43, November.

HAYNES, Royal Storrs. Measles (with William St. Lawrence). *Nelson, Loose-leaf medicine*, New York, 1:469–74.

The pediatrist at the maternity hospital. *New York state journal of medicine*, 21: 446–50, December.

HOLT, L. Emmett. The food requirements of children. 1. Total caloric requirements. *American journal of diseases of children*, 21:1–28, January.

The food requirements of children. 2. Protein requirement. *Ibid.*, 22:371–80, October.

Health education of children. *International journal of public health*, 2:753–80, November–December.

LEOPOLD, Jerome S. Intermitting fever in a child due to mastoiditis, diagnosis by positive Roentgen ray findings. *American journal of diseases of children*, 22:521–24, November.

MCLEAN, Stafford. A case of idiopathic hemorrhagic sarcoma of kaposi. *Ibid.*, 21:437–43, May.

MASON, Howard H. Nutrition and clinical dietetics (with Herbert S. Carter and Paul E. Howe). Philadelphia, Lea and Febiger, 703p.

Some records regarding absences and their causes in the Lincoln school of Teachers College. *American journal of diseases of children*, 22:500–07, November.

ST. LAWRENCE, William. Measles (with Royal Storrs Haynes). *Nelson, Loose-leaf medicine*, New York, 1:469–74.

SMITH, Charles Hender. Heart disease in school children. *Mother and child*, 2 January.

The nutrition class. *Child health organization*, December.

VAN INGEN, Philip. The baby crop of 1920. *Mother and child*, 2: 307–08, July.

City babies. *Survey*, 46:688, 16 September.

The history of child welfare work in the United States: Chapter in, A half century of public health. Jubilee historical volume. (Ra-

venel) New York, American public health association, p. 290–322.

WILE, Ira S. The children's clinic of the future. *Archives of pediatrics*, 38:727–31, November.

The nature of educational hygiene. *Medical record*, 99:688–91, 23 April.

What do we mean by nutrition? *Hospital social service*, 4:109, September.

Economics and Social Science

CHADDOCK, Robert E. The graphic representation of a frequency distribution. *Quarterly publications of the American statistical association*, 17:769–775, June.

Should the undergraduate be trained in elementary statistical methods? *Ibid.*, 17:1016–1018, December.

COMSTOCK, Alzada. State taxation of personal incomes. (Columbia University studies in history, economics, and public law). N. Y. Columbia University.

Lessons of the French turnover tax. *Annalist*, 18:556–60, 12 December.

GIDDINGS, Franklin Henry. Further inquiries of sociology. *Papers and proceedings of the American sociological society*, 15:60–67, May.

Can the churches be saved? *Independent*, 20 August.

Unemployment. *Independent*, 8 October.

HALE, Robert L. Public utility valuation, the "unearned increment" and the depreciated dollar. *Columbia law review*, 21:166–168, February.

Review of: The law of damages and compensation, by F. O. Arnold. *Columbia law review*, 21:505–506, May.

The "physical value" fallacy in rate cases. *Yale law journal*, 30:710–731, May.

Review of: A constitution for the socialist commonwealth of Great Britain, by Sidney and Beatrice Webb. *Survey*, 45:514, 1 January.

LINDSAY, Samuel McCune. Social insurance: Chapter in, Democracy in reconstruction, ed. by F. A. Cleveland and Joseph Schafer. Boston, Houghton, Mifflin, 1919.

War labor policies and reconstruction, ed. with preface and appendix. *Proceedings of the Academy of political science*, 8: no. 2, February, 1919.

Our industrial victory. *Ibid.*, 8: 222–24, February, 1919.

League of nations covenant: text and preliminary draft with critical papers and discussion, ed. with preface. *Ibid.*, 8: no. 3, July, 1919.

International regulation of child labor. *American child*, 1919, p. 88–95.

Los Estados Unidos y Puerto Rico. *Puerto Rico Revista mensual de ciencias, filosofía y arte*, July, 1919.

Next steps in social insurance in the United States. Presidential address, American association for labor legislation. *American labor legislation review*, 9:107–14, March, 1919. Also in *Monthly labor review, U. S. Bureau of labor statistics*, 8:28–34; and abstract in *Eastern underwriter*, 10 January, 1919.

Social reconstruction. Proposals for federal legislation by committee on national program. *Survey*, 42:402–9, 7 June, 1919.

Theodore Roosevelt, protector of

childhood. *Ibid.*, 41:527, 18 January, 1919.

Editor: American social progress series: 10, The housing of the unskilled wage-earner, by Edith Elmer Wood. New York, Macmillan, 1919. 321 p.; 11, The budget and responsible government, by F. A. Cleveland and A. E. Buck. New York, Macmillan, 1920. 404p.

Editor: Reports of sub-committees, Republican national committee, Advisory committee on policies and platform. New York, 1920. 272p.

Editor: Republican campaign text book. New York, 1920. 496p.

Settlement of industrial disputes. *New York chamber of commerce, Annual report*, 1920–21.

Cardinal Gibbons. *Survey*, 46: 12, 2 April.

The new cabinet and its problems. *Review of reviews*, April.

From Senate to Presidency. *Ibid.*, June.

Federal seaman's compensation bill. *New York chamber of commerce, Monthly bulletin*, 13:16–18, June.

The leadership of Secretary Hughes. *Independent and Weekly review*, 1 October.

MOORE, Henry L. Generating cycles of products and prices. *Quarterly journal of economics*, 35: 215–39, February.

Generating cycles reflected in a century of prices. *Ibid.*, 35:503–26, August.

The origin of the eight-year generating cycle. *Ibid.*, 36:1–29, November.

SEAGER, Henry Rogers. History of the shipbuilding labor adjustment board, 1917–19 (with Willard E. Hotchkiss). Washington, Government printing office. 107 p.

SELIGMAN, Edwin R. A. The shifting and incidence of taxation. Fourth edition, revised. New York, Columbia University press. 431p.

Principles of economics. Ninth edition, revised. New York, Longmans, Green & co. 711p.

Essays in taxation. Ninth edition, revised and enlarged. New York, Macmillan. 806p.

Currency inflation and public debts. Equitable trust company. 88p.

The problem of taxation. *New York tribune*, 1 January.

Economists: Chapter in, Cambridge history of American literature, 4: 425–444.

Introduction to: The federal income tax, edited by R. M. Haig. New York, Columbia University press.

Response to the address at the inauguration of President Barrows: In, California University, Inauguration of David Prescott Barrows. Berkeley, 1920. p. 43–46.

The amalgamated clothing workers. *New York times*, 14 February.

Sources of increased revenue for education. *School life*, 6:4.

Capitalism *v.* socialism, a debate with Scott Nearing. 46p.

Capitalism *v.* socialism. *Arbitrator*, 3:10.

Memorandum on the McFadden gold bill in Exhibits in support of the memorandums submitted by the Jewelers' vigilance committee to the Committee on ways and means in opposition to the McFadden bill. p. 11–34.

The fiscal outlook and the program

of tax revision. *Bankers' economic service*, 2:8, 24 May.

Hearing before the Committee on finance of the United States Senate on internal revenue, sixty-seventh Congress, first session, p. 705–36.

The tax situation. *North American review*, August.

Sources of increased revenues for education. *Trained men*, December.

Memorial on international finance and commerce of the governments of the United States, the United Kingdom, France, Holland, Switzerland, Denmark, Sweden, and Norway. (In connection with forty-one other signatories).

Report upon the apportionment of representatives, by the Committee on the census (W.S.Rossiter, chairman). *Quarterly publication of the American statistical association*, December.

SHENTON, Herbert N. Social-minded men of character. *Adult Bible class monthly*, 14:115, April.

Safeguarding the right of health. *Ibid.*, 14:119, April.

Industrial relations: the Christian way. *Ibid.*, 14:123, April.

The deadly parallel: rich and poor. *Ibid.*, 14:127, April.

Christian dynamic education. *Ibid.*, 14:145, May.

The use of leisure. *Ibid.*, 14:149, May.

Competition within cooperation. *Ibid.*, 14:152, May.

The twentieth-century family. *Ibid.*, 14:156, May.

The church within the community. *Ibid.*, 14:159, May.

The church and politics. *Ibid.*, 14: 181, June.

The fullness of time. *Ibid.*, 14:18,5 June.

Jesus Christ's political radicalism. *Ibid.*, 14:189, *June.*

The social task. *Ibid.*, 14:192, June.

SIMKHOVITCH, Vladimir G. Toward the understanding of Jesus and other historical studies. N. Y. Macmillan. 165p.

SUFFERN, Arthur E. What shall we do about coal? *Atlantic monthly*, 128:417–20, September.

TUGWELL, Rexford G. The gipsy strain. *Pacific review*, 2:177–96, November.

The economic basis for business regulation. *American economic review*, 11:643–58, December.

Review of: Guild socialism. *Political science quarterly*, 36:702–5, December.

YERGIN, Howard V. Growing as Jesus grew, a manual for daily vacation Bible schools. Philadelphia, Westminster press. 207p.

Education (Teachers College)

BAGLEY, William C. The New Mexico state educational institutions. Report to the New Mexico Special revenue commission. Santa Fé. 62p.

A national program for education. *Journal of the National education association*, 10:1, January.

The nation's debt to the normal schools. *Educational administration and supervision*, 7:195–204, April.

The aims of rural education. *Proceedings, National education association*, p. 694–99.

Federal aid for public schools. *Ibid.*, p. 618–23.

Living and learning. *School and*

home education, 41:33–40, October–November.

Projects and purposes in teaching and learning. *Teachers College record*, 22:288–97, September.

Introductions to: Finney's "The American public school," Stevenson's "The project method," and Bode's "Fundamentals of education" in the Modern teachers' series. New York, Macmillan.

BONSER, Frederick G. Dangers and difficulties of the project method in teaching. *Teachers College record*, 22:297–305, September.

BRIGGS, Thomas H. An English form test. *Teachers College record*, January.

The excursion as a means of education. *Ibid.*, November.

DUNN, Fannie W. Educative equipment for rural schools. New York, Teachers College. 23p.

Interest factors in primary reading material. New York, Teachers College. 70p.

ENGELHARDT, Nickolaus L. A school plant and a school building program for Baltimore, Maryland (with George D. Strayer and E. S. Evenden). Baltimore Improvement commission. 373p.

A survey of the school system of Hackensack, New Jersey (with George D. Strayer). Hackensack Board of education. 290p.

A study of the Caldwell, New Jersey school system. Caldwell, New Jersey, Progress publishing company. 34p.

The Bronxville school problem—present and prospective (with Guy C. Gamble). Bronxville, New York, Board of Education. 16p.

The Richard J. Reynolds high school. Winston-Salem, N. C. City public schools print shop. 14p.

EVENDEN, Edward S. A school plant and a school building program for Baltimore, Maryland (with George D. Strayer and N. L. Engelhardt). Baltimore Improvement commission. 373p.

Fundamental principles of grading teachers' salaries. *Teachers College record*, 22:197–208, May; also in, *American education*, 24:348–54, April.

FRETWELL, Elbert K. Horace Mann studies in making citizens: Boys' clubs. *Teachers College record*, January.

GOLDBERGER, Henry H. English for coming citizens. Book 2. New York, Charles Scribner's sons. 209p.

HOLLINGWORTH, Leta S. Psychological clinics in the United States. *Teachers College record*, 22:221–25, May.

JOHNSON, Franklin W. The schedule of recitations. *School review*, 29:216–28, March.

KILPATRICK, William H. Educational values underlying the project. *Detroit school journal*, 1:1–4, March.

Our schools and war. *Educational review*, 61:201–13, March.

The demands of the times upon our schools. *Teachers College record*, 22:127–36, March. Reprinted as Teachers and the new world. *Educational times*, n. s. 3: 175–78, April.

The meaning of method. *Journal of educational method*, 1:14–19, September. Reprinted in *American schoolmaster*, 14:289–95, October.

Dangers and difficulties of the project method and how to overcome them—a symposium (joint

author). *Teachers College record*, 22:283–88, 310–20, September.

The wider study of method. *Journal of educational method*, 1:54–9, October. Reprinted in part in *General science quarterly*, 6: 277–84, November.

Teachers college as a contribution to education. *Alumni bulletin of Teachers College*, November.

Mind-set and learning. *Journal of educational method*, 1:95–102, 144–150, November–December.

Syllabus in the philosophy of education. New York, Teachers College. 74p.

McCall, William A. Proposed uniform method of scale construction. *Teachers College record*, 22: 31–52, January.

Abstract of a survey of the Baltimore public schools, 1920–1921 (collaboration). Baltimore, Board of school commissioners.

The use of tests in teaching reading. Richmond, Va., Johnson publishing company.

McGaughy, J. Ralph. Know and help your schools series: First report—An interpretative report of inquiry no. 1 relating to salaries, training and experience of teachers in the national survey of urban public schools (with George D. Strayer, and E. S. Evenden). New York, American city bureau, 1920. 66p. Second report—An interpretation of inquiry no. II relating to school buildings and grounds, enrollment and size of classes in the national survey of urban public schools (with George D. Strayer). New York, American city bureau. 63p. Third report—An interpretation of inquiry no. III relating to boards of education and the receipts and expenditures of urban public schools (with George D. Strayer). New York, American city bureau. 47p.

McMurry, Frank M. Elementary geography (with E. A. Parkins). New York, Macmillan company. 322p.

Advanced geography (with E. A. Parkins). New York, Macmillan company. 495p.

Meister, Morris. A study in the science environment of the child. *Elizabeth teachers' quarterly*, March.

Educational value of after-school activities in science. Published by author.

The monthly guide for science teachers. *Popular science monthly*.

Monroe, Paul. Education: Chapter in, Cambridge history of American literature, vol. 3, p. 385–428.

Mission education and the political situation. *International review of missions*, July.

Moore, Jessie Eleanor. A little child's Christ. *Church school*, 2: 186, January.

A teacher's plan and what happened to it. *Ibid.*, 2:236–39, February.

Through nature to God with little children. *Ibid.*, 2:285–87, March.

The little artist. *Ibid.*, 2:332–36, April.

Tell me a story. *Ibid.*, 2:381–84, May.

Three services of worship for the primary department on children's day. *Ibid.*, 2:430–32, June.

Summer lessons for little folks. *Ibid.*, 2:476–78, July.

Playing with little children. *Ibid.*, 2:524–26, August.

September hints for beginners teachers. *Ibid.*, 2:574–75, September.

World brotherhood and little children. *Missionary education*, 1:7–8, October.

When is a child attentive? *Pilgrim elementary teacher*, 5: 193–94, June.

PINTNER, Rudolph. A combined mental-educational survey. *Journal of educational psychology*, 12: 32–43, January.

Problems raised by a survey of schools for the deaf. *American annals of the deaf*, 66:8–28, January.

Results of the combined mental-educational survey tests. *Journal of educational psychology*, 12:82–91, February.

Intelligence and its measurement. *Ibid.*, 12:139–43, March.

Individual differences measured by psychological tests. *American annals of the deaf*, 66:168–81, March.

In memory of Wilhelm Wundt. *Psychological review*, 28:186–88, May.

REISNER, Edward H. National education in an international world. *School and society*, 13:563–72, 14 May.

SAILER, Thomas H. P. The mission study class leader. Revised and enlarged edition. New York, Missionary education movement. 194p.

SNEDDEN, David. Sociological determination of objectives in education. Philadelphia, Lippincott. 322p.

Vocational homemaking education: illustrative projects. New York, Columbia university. 149p.

Experimental and other forms of research in civic education. *School and society*, 13:361–72, 26 March.

Liberty of teaching in social sciences. *Ibid.*, 13:181–91. 12 February.

Desirable aims for school and college chemistry. *Ibid.*, 14:220–1, 24 September.

Household arts for junior high schools. *Journal of home economics*, 13:289–96, July.

Home economics in college and university. *School and Society*, 13:71–73, 15 January.

Specific varieties of mental discipline as objectives of school education. *Educational administration and supervision*, 7:255–66, May.

Comparative values of different methods of civic education. *Detroit journal of education*, November.

STRAYER, George Drayton. School plant and a school building program for Baltimore, Maryland (with Nickolaus L. Engelhardt and E. S. Evenden). Baltimore Improvement commission. 373p.

Abstract of a survey of the Baltimore public schools, 1920–1921. Baltimore, Board of school commissioners. 54p.

A survey of the school system of Hackensack, New Jersey (with Nickolaus L. Engelhardt). Hackensack Board of education. 290p.

Know and help your schools series: First report—An interpretative report of inquiry no. 1 relating to salaries, training and experience of teachers in the national survey of urban public schools (with E. S. Evenden and J. R. McGaughy). New York, American city bureau, 1920. 66p. Second report—An interpretation of inquiry no. 11

relating to school buildings and grounds, enrollment and size of classes in the national survey of urban public schools (with J. R. McGaughy). New York, American city bureau. 63p. Third report—An interpretation of inquiry no. III relating to boards of education and the receipts and expenditures of urban public schools (with J. R. McGaughy). New York, American city bureau. 47p.

The Smith-Towner education bill. *New York evening post*, 15 January.

A national point of view in education. *American city*, 24:115, February.

Making good the promise of democracy. *Good housekeeping*, February.

Why the Smith-Towner bill should become a law. *New York times*, 20 February.

A national department of education. *Commercial appeal*, 7 April.

Investigation in the field of educational finance. *Journal of educational research*, December.

Department of education imperative. *Journal of the National education association*, January.

Some observations concerning leaders in education. *Phi Delta Kappan*.

A reply to the arguments against the Smith-Towner bill. *Educational review*, January.

WHITLEY, Mary Theodora. A study of the little child. Philadelphia, Westminster press. 106p.

Electrical Engineering

HEHRE, Frederick W. Notes on the wiring circuits for main propulsion, U. S. S. "New Mexico." *Journal, American society of naval engineers*, August.

MORECROFT, John Harold. The principles of radio communication. New York, Wiley. 935p.

Short course in electrical testing. New York, D. Van Nostrand co. 220p.

English and Comparative Literature

ABBOTT, Allan. A measure of ability to judge poetry (with M. R. Trabue). *Teachers College record*, March.

Exercises in judging poetry, series X and Y (with M. R. Trabue). New York, Teachers College.

AYRES, Harry M. The English language in America: Chapter in, Cambridge history of American literature, 4:554–71. New York, Putnam.

America and the English tradition: In, Modern essays, selected by Christopher Morley, p. 153–59. New York, Harcourt, Brace.

BRENNECKE, Ernest. Thomas Hardy today. *New York times Review of books*, 5 June.

Outing books in brief review. *Bookman*, August.

The revolt of youth. *New York evening post Literary review*, 6 August.

Edgar Saltus. *World Sunday magazine*, 28 August.

A world remade by faith. *Ibid.*, 27 November.

Germany's literary radical. *New York times Review of books*, 25 December.

De Morant's "In the claws of the dragon." *New York evening post Literary review*, 9 July.

BREWSTER, Dorothy. Andreyev's

Satan. *Nation*, 112: 46, 12 January.

Gorki's Tolstoy. *Ibid.*, 112:379–80, 9 March.

In Russia. *Ibid.*, 112:554, 13 April.

When right meets left. *Ibid.*, 113: 101, 27 July.

In Russia. *Ibid.*, 113:179, 17 August.

COAD, Oral S. Shakespeare and Aeschylus. *Journal of English and Germanic philology*, October.

DIBBLE, Roy F. Albion W. Tourgée. New York, Lemcke & Buechner. 160p.

ERSKINE, John. États-Unis: leur état d'esprit actuel. *Revue de Genève*, 9:409–18, March.

A thinker of the first order. *Literary review*, 18 June.

Achilles and the maiden; poem: In, Enchanted years, p. 140–44. Harcourt, Brace & company.

Sir Graelent. *Harvard graduates magazine*, 30:20–24, September.

Books and habits. From the lectures of Lafcadio Hearn. Dodd Mead & co.

L'individualisme aux États-Unis: William James et George Santayana. *Revue de Genève*, 16:533–41, October.

William James, lover of life. *Outlook*, 129:355–56.

The moral obligation to be intelligent. New and enlarged edition. Duffield & company. 193p.

Milton's Comus. *New York herald*, 12 December.

Walking and knitting. *Youth's companion*, 95:733–54, December.

FAIRCHILD, Hoxie N. A course in the composition of lyric poetry. New York, Columbia University.

Three soldiers from Greenwich village. *Independent and Weekly review*, 107:97, 29 October.

FLETCHER, Jefferson B. The symbolism of Dante. New York, Columbia University press. 245p.

The comedy of Dante. *Studies in philology*, 18:392–411, October.

Letter and spirit. *Weekly review*, 4:36–8, 12 January.

KRAPP, George P. Tales of a true knight. Charles Scribner's sons.

MATTHEWS, Brander. Essays on English. New York, Scribner's. 284p.

Vignettes of Manhattan: outlines in local color. New edition, with introduction by W. C. Brownell. New York, Scribner's. 376p.

The Englishing of French words. Oxford, Society for pure English. 20p.

The permanent utility of dialect. *Yale review*, 10:338–48, January.

The old stock companies. *Century*, 101:317–23, January.

Several ways of telling a story. *Bookman*, 52:290–98, January.

Memories of actors. *Munsey*, 72: 89–98, February.

Thackeray and the theater. *Scribner*, 69:497–502, April.

Did Shakspere write his plays to fit his actors? *Munsey*, 73:104–9, June.

Style from several angles. *Outlook*, 128:383–84, 29 June.

Undramatic criticism. *North American review*, 214:112–21, July.

Newspaper English. *New York herald*, 10 July.

The scene is laid. *Theatre*, 36:144, 240, September–October.

The theatrical situation. *North American review*, 214:841–49. December.

ORBECK, Anders. Ibsen's early plays: Catiline, The warrior's

barrow, Olaf Liljekrans, translated into the original meters, with an introduction. New York, American-Scandinavian foundation.

SCARBOROUGH, Dorothy. Famous modern ghost stories. New York, G. P. Putnam's sons. 419p.

Humorous ghost stories. New York, G. P. Putnam's sons.

The pawnshop. *Everybody's magazine*, February.

On top of a bus. *Pictorial review*, July.

THORNDIKE, Ashley H. Editor: Sartor Resartus, by Thomas Carlyle. New York, Charles Scribner's sons.

Manual for the history of English literature (with W. A. Neilson). New York, Macmillan.

Review of: A philosophical view of reform, by Percy Bysshe Shelley. *New York times Book review and magazine*, 3 July.

Where Hamlet was first acted. Review of: Site of the Globe Playhouse, Southwalk. *The New York times Book review and magazine*, 11 December.

TRENT, William P. Editor: When the devil was well, hitherto unpublished story by Robert Louis Stevenson. Boston, Bibliophile society. 127p.

Editor: Stevenson's workshop. Boston, Bibliophile society. 63p.

Editor (with George S. Hellman): Poems by Robert Louis Stevenson hitherto unpublished. Boston, Bibliophile society. 142p.

VAN DOREN, Carl. The American novel. New York, Macmillan 295p.

Managing editor: The Cambridge history of American literature, vols. III–IV. Putnam. 872p.

Literary editor: *Nation*.

WEAVER, Raymond M. The noble savage. *Nation*, 112:898–99, 22 June.

Herman Melville. *Bookman*, 54: 318–27, December.

Herman Melville: mariner and mystic. New York, Doran. 399p.

WOLFF, Samuel Lee. Scholars: Chapter in, Cambridge history of American literature, 4:444–91. New York, Putnam.

Geography, Geology and Mineralogy

BERKEY, Charles P. Geology of the West Point quadrangle, N. Y. (with Marion Rice,). *New York state museum, Bulletin*, p.225–226, September–October, 1919.

COLONY, Roy J. Judging the quality of Portland cement. *Transactions of the American institute of mining and metallurgical engineers*, February. Issued also under the University cover.

JOHNSON, Douglas W. The story of Fiume and the Adriatic question. *Philadelphia public ledger*, 8 January.

Fiume and the Adriatic problem: Chapter VI in, What really happened at Paris. New York, Scribner.

Battlefields of the World war: a study in military geography. New York, Oxford university press. 658p.

Aerial observation of physiographic features. *Science*, n. s. 54:435–36.

KEMP, James F. Baron Gerard De Geer and his work. *Natural history, journal of the American museum of natural history*, 21:31–33.

The zonal distribution of ores

around igneous centers. *Economic geology*, 16:474–78, November.

MOOK, Charles C. *Camarasaurus, Amphicoelias*, and other sauropods of Cope (with H. F. Osborn). *Memoirs of the American museum of natural history*, 3:247–387.

Description of a skull of the extinct Madagascar crocodile, *Crocodilus robustus* Vaillant and Grandidier. (Contributions to the osteology, affinities, and distribution of the Crocodilia, no. 1). With prefatory note by W. D. Matthew. *Bulletin of the American museum of natural history*, 44:25–31.

Skull characters and affinities of the extinct Florida gavial, *Gavialosuchus americana* (Sellards). (Crocodilia contributions, no. 2). *Ibid.*, 44:33–42.

Brachygnathosuchus braziliensis, a new fossil crocodilian from Brazil. (Crocodilia contributions, no. 3). *Ibid.*, 44:43–49.

Individual and age variation in the skulls of recent Crocodilia. (Crocodilia contributions, no. 4). *Ibid.*, 44:51–66.

Notes on the postcranial skeleton in the Crocodilia. (Crocodilia contributions, no. 5). *Ibid.*, 44: 67–100.

The dermo-supraoccipital bone in the Crocodilia. (Crocodilia contributions, no. 6). *Ibid.*, 44:101–103.

Allognathosuchus, a new genus of Eocene crocodilians. (Crocodilia contributions, no. 7). *Ibid.*, 44: 105–10.

Description of a skull of a Bridger crocodilian. (Crocodilia contributions, no. 8). *Ibid.*, 44: 111–16.

The skull of *Crocodilus acer* Cope. (Crocodilia contributions, no. 9). *Ibid.*, 44: 117–21.

Skull characters of recent crocodilia, with notes on the affinities of the recent genera. (Crocodilia contributions, no. 10). *Ibid.*, 44: 123–268.

Germanic Languages and Literature

BARNOUW, Adriaan J. A book lover's corner. *Weekly review*, 14, 28 May; 11, 25 June.

Impressionists and post-impressionists. *Ibid.*, 28 May.

Modern Dutch art. *Ibid.*, 30 April.

The oldest guide book to Corea. *Ibid.*, 20 April.

De Coster's Flemish legends. *Ibid.*, 27 April.

Echoes of the Pilgrim fathers' speech. *Ibid.*, 14 May.

Modern Dutch art at the Anderson galleries. *Holland and her colonies*, 1, 2, 7.

The land which Hudson failed to reach. *Holland and her colonies*, 1, 5, 2.

Holland and Japan. *Holland and her colonies*, 1, 6, 3.

Modern Dutch literature. *Literary review*, 26 March.

Het derde eeuwfeest van Plymouth. *De Telegraaf*, 30 August.

HEUSER, Frederick W. J. Personal and literary relations of Hauptmann and Wedekind. *Modern language notes*, 36:395–402, November.

Regents' examinations in German. *Modern language journal*, January.

PUCKETT, Hugh W. Another Faust. *Journal of English and Germanic philology*, 20:no. 4.

Socialists in German education. *Survey*, 47:369–72, 3 December.

Greek and Latin

HIRST, Gertrude M. Account of the meeting of the classical association of England and Wales at Cambridge, England, August 2–6. *Classical weekly*, 15:7–8, 3 October.

KEYES, Clinton W. Original elements in Cicero's ideal constitution. *American journal of philology*, 42:309–23, October–December.

KNAPP, Charles. Philology, classical. *New international year book*, 1920, p. 530–36.

Contributions as managing editor, *Classical weekly*, vols. 14–15, January–December.

Lucretius 1.1–28: a study in interpretation and punctuation. *Classical weekly*, 14:73, 3 January.

Notice of: Paul Monroe's Source book of the history of education for the Greek and Roman period. *Ibid.*, 14:77–8, 3 January.

Aeneid VI in the "movies." *Ibid.*, 14:79–80, 3 January.

Once more Aeneid VI in the "movies." *Ibid.*, 14:104, 24 January.

Some illustrations of Juvenal's third Satire. *Ibid.*, 14:113–4, 121–2, 14, 28 February.

A student on vocational training and on the classics. *Ibid.*, 14: 129–30, 7 March.

An illustration of Horace, Sermones 1.3. *Ibid.*, 14:137–8, 14 March.

A state specialist on the outlook for Latin. *Ibid.*, 14:145–8, 28 March.

Horace, Sermones 1.3.29–34: a matter of style. *Ibid.*, 14:153–4, 4 April.

The training of college teachers of Latin. *Ibid.*, 14:161–2, 11 April.

Lucretius 1.1–28 once more. *Ibid.*, 14:168, 11 April.

Longevity and genius. *Ibid.*, 14: 168, 11 April.

Professor Donnelly on the story of Odysseus and Polyphemus. *Ibid.*, 14: 169–170, 18 April.

Notice of: Passages for Greek and Latin repetition. *Ibid.*, 14:176, 18 April.

Horace, Epodes 2.33–34. *Ibid.*, 14:177–8, 25 April.

The classical association of the Atlantic states. *Ibid.*, 14:201–3, 16 May.

Notice of: Translations of Aristotle. *Ibid.*, 14:207, 16 May.

Periodicals supporting the cause of the classics. *Ibid.*, 15:1–2, 9–10, 3, 10 October.

The American classical league: second annual meeting. *Ibid.*, 15:16, 10 October.

Notice of: A bibliographical monograph on the value of the classics. *Ibid.*, 15:24, 17 October.

Professor Ogle on classical education. *Ibid.*, 15:25–26, 24 October.

Notice of: Some new volumes in the Oxford junior Latin series. *Ibid.*, 15:30–31, 24 October.

Notice of: Miscellaneous translations. *Ibid.*, 15:31, 24 October.

Professor Murray on Aristotle's art of poetry. *Ibid.*, 15:39–40, 31 October.

Classical articles in non-classical periodicals (with Grace H. Goodale). *Ibid.*, 15:55–56, 72, 78–79, 28 November, 12, 19 December.

Notice of: Trevelyan's Translations from Lucretius. *Ibid.*, 15:76–77, 19 December.

STUART, Duane R. On Vergil, Eclogue iv. 60–63. *Classical philology*, 16:200–239.

History

ADAM, Margaret I. Eighteenth century highland landlords and the poverty problem. Part I. *Scottish historical review*, October.

CARMAN, Harry J. England and the Egyptian problem. *Political science quarterly*, 36:51–78, March.

Record of political events (with Elmer D. Graper). *Political science quarterly*, 36: no. 3. 114p.

EARLE, Edward M. An outline of modern history. New York, Macmillan. 166p.

An outline of the economic development of the United States. New York, The New York chapter of the American institute of banking. 44p.

Review of: The eastern question and its solution, by Morris Jastrow. *Journal of international relations*, April.

The peace negotiations, a review of: The truth about the treaty, by André Tardieu, What really happened at Paris, by American delegates, and The peace negotiations, by Robert Lansing. *Columbia law review*, October.

EVANS, Austin P. The problem of control in medieval industry. *Political science quarterly*, 36: 603–616, December.

FOX, Dixon Ryan. A duty to the world. *Garnet and white*, 21: 314–20, April.

The historical essay and the critical review. New York, Columbia University. 15p.

The landed gentry and their politics a hundred years ago. *Proceedings of New York state historical association*, 1921.

State history I. *Political science quarterly*, 36:572–85.

Address on receiving Proctor's Indian statue for New York State. *Glens Falls times and messenger*, 24 October.

From Kings college to Columbia university in the city of New York. *Columbia alumni news*, 13: 141–43.

HAYES, Carlton J. H. The otherworldly Mr. Wells. *Freeman*, 3: 18–21, 16 March.

The history of plebiscites. *American journal of international law*, 15:337–40, April.

History of modern France. *Political science quarterly*, 36:304–8, June.

The ways of revolution. *Nation*, 113: 669–70, 7 December.

MCGIFFERT, Arthur C. The causes that led to disunity: address in, The problem of Christian unity. New York, Macmillan.

A teaching church. *Religious education*, February.

The church and world fellowship. *Ibid.*, June.

MOON, Parker Thomas. The labor problem and the social Catholic movement in France. New York, Macmillan.

More light on the Peace conference. *Political science quarterly*, 36:501–508, September.

ROCKWELL, William Walker. Articles on: Roman Catholic church, Absolution, Confessional, Convent, Dispensation, Dominican order, Extreme unction, Indulgence, Jesus, Society of, Mass, Patron saints, Purgatory, Saints, Veneration of: In, A dictionary of religion and ethics, edited by Shailer Matthews and Gerald Birney Smith. New York, Macmillan.

SCHUYLER, Robert L. The climax

of anti-imperialism in England. *Political science quarterly*, 36: 537–60, December.

SHOTWELL, James T. Labor provisions in the peace treaty. U. S. Department of labor, 1919.

Christianity and history. *Journal of philosophy, psychology and scientific methods*, 17:85–94, 12 February, 1920; 113–20, 26 February, 1920; 141–50, 11 March, 1920.

Democracy and political morality. *Political science quarterly*, 36: 1–8, March.

Intelligence and politics. New York, Century.

(Joint author) A history of the Peace conference of Paris; edited by H. W. V. Temperley. London, Frowde, Hodder and Stoughton, 1920.

(Joint author) Labour as an international problem; edited by E. J. Solano. London, Macmillan, 1920.

(Joint author) The League of nations starts. London, Macmillan, 1920.

Editor for the Carnegie endowment for international peace. Division of economics and history: Bowley, A. L. Prices and wages in the United Kingdom, 1914–1920. Oxford, Clarendon press; Henderson, H. D. The cotton control board, Oxford, Clarendon press; Keith, A. B., War governments of the British dominions. Oxford, Clarendon press; Salter, J. A., Allied shipping control. Oxford, Clarendon press.

Indo-Iranian Languages

JACKSON, A. V. Williams. The location of the Farnbāg fire, the most ancient of the Zoroastrian fires. *Journal of the American oriental society*, 41:81–106, April.

Firdausi in a lyric vein. *Sanj Vartaman*, Bombay, 10 September, p. 8–i.

Review of: "The thirteen principal Upanishads," by Robert Ernest Hume. *New York evening post*, 20 August.

Review of: "Das iranische erlösungsmysterium," by R. Reitzenstein. *American historical review*, 27:139–40, October.

Signed articles 'Gabars,' 'Manichaeism,' 'Mazdak,' 'Parsis,' 'Persia, Religions of,' 'Sacred Scriptures: Pahlair literature;' In, Dictionary of religion and ethics, ed. Shailer Mathews, New York, Macmillian.

Journalism

BROWN, Roscoe C.E. The menace to journalism. *North American review*, November.

CUNLIFFE, John W. Century readings in English literature. Third edition. N. Y., The Century company.

WILL, Allen Sinclair. Cardinal Gibbons, citizen. *North American review*, June.

Cardinal Gibbons in his public relations. *Catholic world*, May.

Law (Private)

GLENN, Garrard. Creditor insurance and creditors' rights. *Columbia law review*, 20:209, March.

OLIPHANT, Herman. The federal trade commission. *American bar association, Journal*, 7:594–95, November.

Current discussions of legal methodology. *Ibid.*, 7:241–43, May.

Review of: The financial organization of society, by Harold G.

Moulton. *Columbia law review*, 20:829–31, December.

STONE, Harlan F. University commemoration address. *Columbia alumni news*, 12:230, 14 January.

Address before the New Jersey bar association. *Proceedings, New Jersey bar association*, 1920–21.

Introduction to: Men and books famous in the law, by F. C. Hicks. Rochester, Lawyers co-operative publishing company.

Legal education and the democratic principle. *American bar association, Journal*, 7:639, December.

Memorial of Francis M. Burdick, *Association of the bar of the city of New York, Year book*, p. 159–62.

Some legal problems involved in the transmission of funds. *Columbia law review*, 20:507, June.

Report of the dean (Columbia university school of law). *Annual reports of Columbia University*, 1921.

Review of: Problems of law, by John H. Wigmore. *Yale law journal*, 30:536–40.

Review of: Principles of equity, by A. M. Wilshire. *Columbia law review*, 21:401, April.

TERRY, Charles Thaddeus. Review of: Contracts in engineering, by James Irwin Tucker. *Columbia law review*, 21:609–11, June.

Review of: Williston on contracts. *Harvard law review*, 34:891–96, June.

Law (Public, Government, and Comparative Jurisprudence)

GRAPER, Elmer D. American police administration. A handbook on police organization and methods of administration in American cities. New York, Macmillan. 357p.

Record of political events, July, 1920 to June, 1921 (with Harry J. Carman). *Political science quarterly, supplement*, 36, September.

GUTHRIE, William D. Address as President of the New York state bar association, before the Canadian club of the city of New York on November 17. 6p.

Address as President of the New York state bar association at the dinner given to Marshal Foch by the American iron and steel institute, Commodore hotel, November 18. 5p.

Address as President of the New York state bar association at the unveiling of a bust of Cardinal Mercier at the New York University, December 17. 9p.

Address before the Conference of bar association delegates at Cincinnati, August 30.

MCBAIN, Howard Lee. The problem of governmental reorganization. *Proceedings of the Academy of political science*, 9:331–35, July.

Law making by property owners. *Political science quarterly*, 36: 617–41, December.

MOORE, John Bassett. The Permanent court of international justice; address at the dinner given by the Pan American society of the United States, Plaza hotel, New York, December 5.

The Monroe doctrine. *Annals of the American academy of political and social science*, July.

POWELL, Thomas Reed. Constitutional aspects of federal income taxation: In, The federal income tax, p. 51–90. New York, Columbia University press. 271p.

Constitutional law in 1919–1920, part III. *Michigan law review*, 19:283–323, January.

Taxation of things in transit, parts II–IV. *Virginia law review*, 7:245–79, January; 7:429–54, March; 7:497–535, April.

Profit on the sale of capital as income under the sixteenth amendment. *Columbia law review*, 21: 163–65, February.

Income from sales of investments. *Bulletin of the National tax association*, 6:137–47, February.

Mr. Justice Holmes. *Nation*, 112: 237–39, 9 February.

The American inquisition. *Ibid.*, 112:377–79, 9 March.

Mr. Choate. *Ibid.*, 112:482–83, 30 March.

How philosophers may be useful to society. *International journal of ethics*, 31:289–302, April.

Chief Justice White. *Nation*, 112: 781, 1 June.

Major constitutional issues in 1920–1921. *Political science quarterly*, 36:469–500, September.

The supreme court's construction of the federal constitution in 1920–1921, parts I and II. *Michigan law review*, 20:1–23, November; 20:135–72, December.

Supreme court decisions on the commerce clause and state police power, 1910–1914, part I. *Columbia law review*, 21:737–56, December.

Supreme court decisions on federal power over commerce, 1910–1914, part I. *Minnesota law review*, 6:1–22, December.

William James on himself. *Nation*, 113:706–7, 14 December.

ROGERS, Lindsay. American government and politics: notes on congressional procedure. *American political science review*, 15: 71–81, February.

American government and politics: the third session of the 66th Congress. *American political science review*, 15:366–79, August.

Control of the purse. *World's work*, 42:506–10, September.

An introduction to the problem of government (with W. W. Willoughby). New York, Doubleday, Page. 545p.

Legislative Drafting

CHAMBERLAIN, Joseph P. In new old York. *Survey*, 45:489–491, 1 January. (How the people of a typical British city manage their health insurance system for which the western metropolis has, as yet, no counterpart.

Uncle Sam on a budget. *Woman citizen*, 18 June, p. 16.

Library

DINSMOOR, William B. Attic building accounts: part IV. The statue of Athena Promachos. *American journal of archaeology*, 25:118–29, June. Part V. Supplementary notes (A, the Parthenon; B, the Erechtheum). *Ibid.*, 25:233–47, September.

HICKS, Frederick C. Men and books famous in the law. Rochester, Lawyers co-operative publishing co. 259p.

President's address, American association of law libraries, June 21. *Law library journal*, 14:25–30, July.

Editor: Tentative list of serials of an international character; prepared in the Columbia University Law library. New York, Institute of international education. 60p.

Report of the subcommittee on

library coöperation with Latin-America, American library association (with Peter H. Goldsmith). 15p.

MUDGE, Isadore Gilbert. Some reference books of 1919–1920. *Library journal*, 46:7–16, 15 January.

Editor: University bibliography, 1920.

PRESCOTT, Harriet B. Editor: Masters essays, 1921. New York, Columbia university press.

ROBERT, Alfred L. Department of pathology library. *Columbia alumni news*, 13:101, 2 December; 114, 9 December.

Department of physiology library. *Ibid.*, 13:147, 16 December; 185, 6 January.

Edward G. Janeway memorial library, Presbyterian hospital. *Ibid.*, 13:199, 13 January; 214, 20 January; 227, 27 January.

RUDOLPH, Adelaide. Notes on primitive pharmaceuticals, suggested by the bronze seals, or amulets, from India, which have been on exhibition at the New York college of pharmacy. *Journal of the American pharmaceutical association*, 10:113–6, February.

The pharmacist in recent American fiction. *Ibid.*, 10:955–9, December.

Home brewed beer in ancient Babylon (with Mary Hussey). *Boston herald*, 21 November, 1920.

SCHRAMM, Elizabeth E. The P and S library. *Columbia alumni news*, 13:53, 28 October; 65, 4 November; 78, 11 November.

VEXLER, Feliciu. Etymologies and etymological notes. *Romanic review*, 12:90–92. January–March.

Mathematics

BRECKENRIDGE, William E. The slide rule as a subject of regular class instruction in mathematics. *Mathematics teacher*, 6:342, October.

Mathematics in Stuyvesant high school. *Ibid.*, February.

KASNER, Edward. Einstein's theory of gravitation: determination of the field by light signals. *American journal of mathematics*, 43:20–28, January.

The Einstein solar field and space of six dimensions. *Science*, 53: 238–39, 11 March.

The impossibility of Einstein fields immersed in flat space of five dimensions. *American journal of mathematics*, 43:126–29, April.

Finite representation of the solar gravitational field in flat space of six dimensions. *Ibid.*, 43:130–33, April.

Einstein's cosmological equations. *Science*, 54:304–5, 30 September.

Relativity: particles starting with the velocity of light. *Nature*, 108: 434–35, 1 December.

The solar gravitational field completely determined by its light rays. *Mathematische annalen*, December.

LAMSON, Kenneth W. Reflection of radiation. *Physical review*, 17: 624–25, May.

RITT, Joseph F. On the conformal mapping of a region into a part of itself. *Annals of mathematics*, 22:157–60, March.

Note on equal continuity. *Bulletin of the American mathematical society*, 27:351–53, May.

SMITH, David Eugene. Review of: Euclid in Greek, Book I, by Sir Thomas L. Heath. *Classical weekly*, 14: no. 17.

Review of: Newton, by Gino Loria. *Bulletin of the American mathematical society*, 27:228–30.

Review of: Archimedes, by Sir Thomas Little Heath. *Ibid.*, 27:232–34.

Review of: Opere di Evangelista Torricelli, edited by Gino Loria and Giuseppe Vassura. *Ibid.*, 27: no. 4.

Review of: Erkenntnislehre im mathematischen unterricht der oberklassen, by W. Lietzmann. *Mathematics teacher*, 14: no. 4.

Review of: The Copernicus of antiquity (Aristarchus of Samos), by Sir Thomas Heath. *Ibid.*, 14:292–94.

Review of: Mathematics and life activities; suggestions for students of mathematics, prepared by the Department of mathematics of Brown university. *Ibid.*, 14:349–50.

Review of: Examples in differential and integral calculus, with answers, by C. S. Jackson. *Ibid.*, 14:351–52.

Review of: A history of the conceptions of limits and fluxions in Great Britain from Newton to Woodhouse, by Florian Cajori. *Bulletin of the American mathematical society*, 27: no. 9–10.

Review of: Mathematische streifzüge durch die astronomie, by P. Kirchberger. *Ibid.*, 27:479–80.

Review of: Natural tangents, by Emma Gifford. *Ibid.*, 27:480.

The first work on mathematics printed in the new world. *American mathematical monthly*, 28: 10–15.

Among my autographs. Two mathematical shrines of Paris. *Ibid.*, 28:62–63.

Among my autographs. Delambre and the founder of the Smithsonian institution. *Ibid.*, 28:64–65.

Among my autographs. Dupin as secretary of the Ionian academy. *Ibid.*, 28:121–23.

Among my autographs. Monge and the American colonies. *Ibid.*, 28:166.

Among my autographs. Descartes's appreciation of Huygens the elder. *Ibid.*, 28:166–68.

Among my autographs. The threatened loss of the second edition of Montucla's History of mathematics. *Ibid.*, 28:207–9.

Among my autographs. Monge the lesser. *Ibid.*, 28:166–68.

Among my autographs. Francoeur describes a king. *Ibid.*, 28:254–55.

Among my autographs. Le Verrier and the cost of living. *Ibid.*, 28: 255.

Among my autographs. Delambre aids in freeing Spencer Stanhope. *Ibid.*, 28: no. 8–9.

Among my autographs. Voltaire and mathematics. *Ibid.*, 28:303–305.

Certain mathematical ideals of the junior high school. *Mathematics teacher*, 14:124–27.

Ten great epochs in the history of mathematics. "*Scientia*," June.

Riforme nell' insegnamento delle mathematiche agli Stati Uniti d'America. *Periodico di matematiche*, serie 4, 1:165–75.

New information respecting Robert Recorde. *American mathematical monthly*, 28:296–300.

Computing jetons. (Numismatic notes and monographs, no. 9). New York. 70p.

The Sumario compendioso of Brother Juan Diez; the earliest mathematical work of the new world. 65p.

Mechanical Engineering

LUCKE, Charles Edward. Internal combustion engines in marine service. Presented at the stated meeting of the Franklin institute, held in Philadelphia on April 20, 1921. Philadelphia, Lippincott. 64p.

Mining and Metallurgy

TAGGART, Arthur F. A manual of flotation processes. New York, Johh Wiley and sons. 181p.

Music

BINGHAM, Seth. Old English love lyrics (seven unaccompanied choruses for women's voices). New York, H. W. Gray co.

FARNSWORTH, Charles H. How music educates. *Proceedings of the Music teachers' national association*, 1920, p. 23–33.

Neurology

CASAMAJOR, Louis. Neuroses in business life. *Neurological bulletin*, 3:237–42, July.

The social development of man and his problems of adjustment. *Ibid.*, 3:125–29, April.

Spinal concussion with report of a case. *New York state journal of medicine*, 21:99–101, March.

CORNWALL, Leon H. Atypical forms of epidemic encephalitis (with Charles Rosenheck). *Neurological bulletin*, 3:259–64, July.

ELSBERG, Charles A. The diagnosis and surgical treatment of tumors in front of the spinal cord. *Surgery, gynecology and obstetrics*, 33:670–73, December.

False localizing signs of spinal cord tumor. *Archives of neurology and psychiatry*, 5:64–79, January.

Lesions of the spinal cord and nerve roots due to trauma. *Nelson, Loose-leaf medicine*, New York, 6:149–61.

GOODHART, S. Philip. Bradykinetic analysis of somatic motor disturbances (with Frederick Tilney). *Neurological bulletin*, 3: September–October.

HOWE, Hubert S. Cortical word blindness. *Neurological bulletin*, 3:64–71, February.

Dystonia musculorum deformans. *Ibid.*, 3:253–58, July.

Epidemic encephalitis. *The trained nurse and hospital review*, 67:494–97, December.

An extensive spinal arachnoid fibroblastoma. *Neurological bulletin*, 3:216–29, June.

Extra-medullary fibroneuroma mainly involving the posterior columns of the cord. *Ibid.*, 3: 135–43, April.

The morbid anatomy of epidemic encephalitis as regards the endocrine system. *Ibid.*, 3:92–99, March.

LEHRMAN, Philip R. Analysis of a conversion hysteria superimposed on an old diffuse central nervous system lesion. *Journal of nervous and mental disease*, 54:31–39, July.

The practice of psychoanalysis in a public clinic. *Neurological bulletin*, 3: December.

OSNATO, Michael. Non-operative treatment of fractures of cervical vertebrae with cord injury. *Journal of the American medical association*. 76:1737–42, 18 June.

Speech, its development and integration with the intelligence. *Neurological bulletin*, 3:47–63, February.

RILEY, Henry Alsop. The form and

functions of the central nervous system (with Frederick Tilney), New York, Hoeber, 1020p.

The spinal forms of epidemic encephalitis. *Archives of neurology and psychiatry*, 5:408–17, April.

ROSETT, Joshua. Defective development of the cerebro-cerebellar connections. *Neurological bulletin*, 3:230–34, June.

The diagnosis of multiple sclerosis in the absence of the triad of Charcot. *Ibid.*, 3:148–51, April.

SANDS, Irving J. Brown-Sequard syndrome produced by an old cervical tuberculous spondylitis. *Ibid.*, 3:41–44, January.

A case of optic atrophy. *Ibid.*, 3: 265–69, July.

General paralysis, *Ibid.*, 3:72–81, February.

Luminal therapy in the control of epileptic seizures. *Archives of neurology and psychiatry*, 5:305–09, March.

Management of children presenting the postepidemic-encephalitis syndrome (with Sylvester R. Leahy). *New York medical journal*, 114: 166–69, 3 August.

Mental disorders in children following epidemic encephalitis (with Sylvester R. Leahy). *Journal of the American medical association*, 76:373–77, 5 February.

STRONG, Oliver S. The clinical phenomena of decerebrate rigidity. With a case exhibiting some of the symptoms of the conditions as described by Wilson as well as certain peculiarities of associated movements. *Neurological bulletin*, 3:183–206, May.

Cyst of the left cerebello-pontine angle. *Ibid.*, 3:243–52, July.

TILNEY, Frederick. Bradykinetic analysis of somatic motor disturbances (with S. Philip Goodhart). *Ibid.*, 3: September-October.

The form and functions of the central nervous system (with Henry A. Riley). New York, Hoeber, 1020p.

Meningovascular neurosyphilis. *Neurological bulletin*, 3:271–94, August-November.

WECHSLER, Israel S. Bulbar amyotrophic lateral sclerosis. *Ibid.*, 3:82–86, February.

A case of central myelitis. *Journal of the American medical association*, 77:1728–29, 26 November.

Epidemic encephalitis (with Israel Strauss). *International journal of public health*, 2:449–64, September-October.

Segmental or nuclear trigeminal senery disturbance. *Neurological bulletin*, 3: September-October.

Statistics of epidemic encephalitis. *Ibid.*, 3:87–91, March.

The substantia nigra. A brief comparative anatomical study. *Ibid.*, 3:130–34, April.

The treatment of epilepsy. (Based on records of 58 cases.) *Medical record*, 100:714, 22 October.

Nursing and Health

BAKER, S. Josephine Minimum physical standards for the child laborer. *Nation's health*, July.

EMERSON, Haven. General survey of communicable diseases in the A. E. F. *Military surgeon*, 49: 389–420, October.

How hospital records can contribute to health protection. *Hospital social service*, 4:263.

Making health knowledge the property of the community. *Pro-*

ceedings of the National conference of social work.

Minor communicable diseases in the A. E. F. *Military surgeon*, 49:642–51, December.

The prevention of heart disease. A new practical problem. *Boston medical and surgical journal*, 184:587, 9 June.

Reports and records of communicable diseases. *Military surgeon*, 49:632–41, December.

Sanitary reports. Monthly and special. *Ibid.*, 49:652–59, December.

Symposium on health supervision in colleges. *American journal of public health*, 11:309–26, April.

GOODRICH, Annie W. Education versus training. *Modern hospital*, May.

The vanguard of an international army. *American journal of nursing*, September.

NUTTING, Mary Adelaide. The school of nursing of the Johns Hopkins hospital and a world need. Baltimore, Privately printed, 22 p.

WINSLOW, C. E. A. Sanitary science. *Nelson, Loose-leaf medicine*, vol. 7, chapter 2. New York, Thomas Nelson & sons; 1920.

The tuberculosis problem in Rhode Island (with Willis E. Chandler). Providence press, 1920.

The importance of preserving the original types of newly described species of bacteria. *Journal of bacteriology*, 6:133–34, January.

Industrial tuberculosis and the control of the factory dust problem (with L. Greenburg). *Journal of industrial hygiene*, 2:333–43, 378–95, January-February.

Relation between katathermometer and thermometer readings under ordinary indoor conditions (with E. L. Hewitt). *Heating and ventilating magazine*, 18:27–31, March.

Report of the committee of sixteen on standardization of public health training (C. E. A. Winslow, chairman). *American Journal of public health*, 11:371–75, April.

William Thompson Sedgwick, 1855–1921. *Journal of bacteriology*, 6:255–62, May.

William Thompson Sedgwick, pioneer in health work. *Nation's health*, 3:301–2, May.

The widening fields of public health. *Bulletin, League of Red Cross societies*, 2:372–376, June.

Public health problems in Europe accentuated. *Nation's health*, 3: 329–330.

Economic problems in European health. *Ibid.*, 3:398, July.

Suggestions for a Red cross health programme. *International journal of public health*, 2:488–508, September–October.

The health organization of the league of nations. *Nation's health*, 3:594–5, November.

Recent progress in the reduction of the typhoid death rate and its significance. *Proceedings of the American society of civil engineers*, 47:664–66, December.

Obstetrics

CALDWELL, William E. The blood chemistry in normal and abnormal pregnancy. *American journal of obstetrics and gynecology*, 2:17–34, July.

Report of a fatal case of epilepsy and two cases of chorea in pregnancy. *Ibid.*, 2:555–58, November.

Ophthalmology

HOLDEN, Ward A. The ocular manifestations of epidemic encephalitis. *Archives of ophthalmology*, 50:402, January.

KNAPP, Arnold. The action of adrenalin on the glaucomatous eye. *Archives of ophthalmology*, 50:556.

Bilateral circumpapillary chorioretinitis with detachment of the retina in syphilis. *Ibid.*, 50:242, May.

On methods of dealing with the capsule in cataract extractions. *Ibid.*, 50:115, March.

Report of a second hundred successive extractions of cataract in the capsule after preliminary subluxation with the capsule forceps. *Ibid.*, 50:426, September.

Pathology

MCCANN, Gertrude F. Effect of various modifications of diet producing rickets in rats (with Alwin M. Pappenheimer, T. F Zucker and A. F. Hess). *Proceedings of the Society for experimental biology and medicine*, 18: 267–70, May.

The failure of rats to develop rickets on a diet deficient in vitamine A. (with A. F. Hess and Alwin M. Pappenheimer). *Ibid.*, 18:266–67, May.

MARINE, David. Influence of glands with internal secretions on the respiratory exchange. II. Effect of suprarenal insufficiency (by removal or by freezing) on rabbits (with Emil J. Baumann). *American journal of physiology*, 57:135–52, August.

The prevention of simple goiter in man (with O. P. Kimball). *Journal of the American medical association*, 77:1068–70, 1 October.

PAPPENHEIMER, Alwin M. A dietetic production of rickets in rats and its prevention by an inorganic salt (with Henry C. Sherman). *Proceedings of the Society for experimental biology and medicine*, 18:193–97, March.

The diffusible calcium of the blood serum. I. A method for its determination (with L. von Meysenbug, T. F. Zucker and Marjorie F. Murray). *Journal of biological chemistry*, 47:529, August.

Effect of various modifications of diet producing rickets in rats (with G. F. McCann, T. F. Zucker and A. F. Hess). *Proceedings of the Society for experimental biology and medicine*, 18:267–70, May.

Experimental rickets in rats. I. Diet producing rickets in white rats and its prevention by the addition of an inorganic salt (with Henry C. Sherman). *Journal of experimental medicine*, 34:189–198, August.

The failure of rats to develop rickets on a diet deficient in vitamine A. (with A. F. Hess and G. F. McCann). *Proceedings of the Society for experimental biology and medicine*, 18:266–67, May.

Hyperplasia of the parathyroids in human rickets (with John Minor). *Journal of medical research*, 42: 391, June-September.

PRUDDEN, T. Mitchell. A new outlook in the conquest of disease. *American review of reviews*, 63: January.

ZUCKER, Theodore F. The diffusible calcium of the blood serum (with L. von Meysenbug, Alwin M. Pappenheimer and Marjorie

F. Murray). *Journal of biological chemistry*, 47:529, August.

Effect of various modifications of diet producing rickets in rats (with Alwin M. Pappenheimer, G. F. McCann and A. F. Hess). *Proceedings of the Society for experimental biology and medicine*, 18:267–70, May.

Pharmacy

ARNY, Henry V. Pharmacy 100 years ago; address at the centennial of the Philadelphia college of pharmacy. *American journal of pharmacy*, 93:184–96, March.

Research and the cash register. *Practical druggist*, 39:30, July.

Half century of American pharmacy; address at the semi-centennial of the Ontario college of pharmacy. *American journal of* pharmacy, 93:639–45, September.

Pharmacy in New York and New Orleans a century ago. *Journal of the American pharmaceutical association*, 10:857–66, November.

Report on new remedies. *Proceedings of the New York state pharmaceutical association*, 43: 150–87.

Report of the progress of pharmacy (with 24 collaborators). *Year book of the American pharmaceutical association*, 8:1–566.

BALLARD, Charles W. Elements of vegetable histology. 246p.

DIEKMAN, George B. Quarter century in pharmacy as a state examination board member. *Journal of the American pharmaceutical association*, 10:943–55, December.

Standardization of examination questions. *Proceedings of the American conference of pharmaceutical faculties.*

Report on violations of pharmacy laws. *Proceedings of State Board of pharmacy of New York.*

Philosophy

BURTT, Edwin A. Present-day tendencies in ethical theory. *International journal of ethics*, July.

BUSH, Wendell T. Philosophy in France. *Journal of philosophy*, 18:68–78, 3 February.

Review of: Kremer's Le néo-réalisme américain. *Ibid.*, 18: 105–7, 17 February.

Review of: Rougier's Les paralogismes du rationalisme. *Ibid.*, 18:246–49, 28 April.

Review of: Smith's Little essays drawn from the writings of George Santayana. *Ibid.*, 18: 163–66, 17 March.

DEWEY, John. China, Japan, and The U. S. A. New York, Republic publishing co. 64p.

Classicism as an evangel. *Journal of philosophy*, 18:664–66, 24 November.

Aims and ideals of education: In, New educators' library, p. 1–9. London, Sir Isaac Pitman & co.

MONTAGUE, William Pepperell. The Oxford congress of philosophy. *Journal of philosophy*, 23:118–21, March 3.

The ethical and esthetic implications of realism. *Mind*, n. s. 30: 172–84.

PARKHURST, Helen Huss. The twentieth annual meeting of the American philosophical association. *Journal of philosophy*, 18: 152–60, 17 March.

The ethical and esthetic implications of realism. *Mind*, n. s. 30:172–84.

PICARD, Maurice. The coördinate character of feeling and cognition. *Journal of philosophy*, 18: 288–95, 26 May.

The unity of consciousness. *Ibid.*, 18:347–57, 23 June.

The production of psychic states. *Monist*, 31:321–36, July.

A discussion of "Mind discerned." *Journal of philosophy*, 18:713–17, 22 December.

SCHNEIDER, Herbert W. John Dewey and his influence. *New era*, 2:136–40, January.

Instrumental instrumentalism. *Journal of philosophy*, 18:216–22, 14 April.

WOODBRIDGE, Frederick J. E. After thirty-five years. From a freshman of '85 to a freshman of to-day. *Atlantic monthly*, 127: 721–31, June.

Amherst in education. *Amherst graduates' quarterly*, August.

Mind discerned. *Journal of philosophy*, 18:337–47, 23 June.

Review of: The letters of William James. *Yale review*, 11:182–87, October.

The social environment of the graduate student. *Journal of the proceedings and address of the Association of American universities*, 22:71–78.

The supply of adequately trained university teachers: in, Educational problems in college and university, published by University of Michigan, p.159–74.

Physical Education

COLBY, Gertrude K. The conflict, a health masque in pantomime. New York, A. S. Barnes and co. 150p.

FROST, Helen. The clog dance book. New York, A. S. Barnes and co.

SHEFFIELD, Nita C. Swimming simplified (with Lyba Sheffield). San Francisco. 167p.

The fundamental principles in teaching swimming. *Official swimming guide*, 1920–1921, p. 127–33.

WAYMAN, Agnes R. A rational program of athletics for a girl's camp: In, Camps and camping, edited by E. Lehman. New York, American sports publishing company.

Physical efficiency tests as a means of determining the type of physical work a college student should take. *Proceedings of the annual meeting of the Eastern society of college directors of physical education for women*, held April 22 and 23 at Vassar college.

Physics

DAVIS, Bergen. An experimental study of the reflection of X-rays from calcite. *Physical review*, 17: no. 5, May.

POOR, Charles Lane. Planetary motions and the Einstein theories. *Scientific American monthly*, 3: no. 6, June.

The motions of the planets and the relativity theory. *Science*, n.s. 54, no. 1384, 8 July.

SOUTHALL, James P. C. Note on Mr. T. Smith's Method of tracing rays through an optical system. *Journal of the Optical society of America*, 5:14–21, January.

Courses in optics and optometry in Columbia university. *Ibid.* 5:184–192. March.

Abolition of astigmatism of oblique bundles in case of a single lens. *Ibid.*, 5:398–409, September.

Physiology

BURTON-OPITZ, Russell. An elementary manual of physiology. Philadelphia, Saunders, 400p.

The venous supply of the heart. *American journal of physiology*, 58:226–70, December.

COOMBS, Helen C. The changes in the concentration of the carbon dioxide resulting from changes in the volume of blood flowing through the medulla oblongata (with Frank H. Pike and Albert B. Hastings). *Ibid.*, 57:104–09, August.

DINEGAR, Robert H. F. Epidemic encephalitis (with George King and Kenneth M. Lewis). *American journal of the medical sciences*, 161:831–45, June.

HONEYWELL, Hannah E. A study of the sugar in the blood of normal pigeons (with Ernest L. Scott). *American journal of physiology*, 55:362–65, April.

KING, George. Epidemic encephalitis (with Robert H. F. Dinegar and Kenneth M. Lewis). *Ibid.*, 161:831–45, June.

PIKE, Frank H. The changes in the concentration of the carbon dioxide resulting from changes in the volume of blood flowing through the medulla oblongata (with Helen C. Coombs and Albert B. Hastings). *American journal of physiology*, 57:104–09, August.

SCOTT, Ernest L. A study of the sugar in the blood of normal pigeons (with Hannah E. Honeywell). *Ibid.*, 55:362–65, April.

Sugar in the blood of the common frog (with Nathan Kleitman). *Ibid.*, 55:355–61, April.

Sugar in the blood of the dog-fish and of the sand shark. *Ibid.*, 55:349–54, April.

WILLIAMS, Horatio B. New method for graphic study of heart murmurs. *Proceedings of the society for experimental biology and medicine*, 18:179–81, March.

Practical Arts
(Teachers College)

ANDREWS, Benjamin R. Editor. Successful family life on the moderate income, by M. H. Abel. Philadelphia, Lippincott.

County homes at Berea college. *School and society*, 30 April.

Savings. *Delineator*, June.

BARBER, Mary I. Ice cream—how shall we freeze it? (with Day Monroe and Ann Colman). *Teachers College record*, 22:253, May.

Sweets for the holidays (with May B. Van Arsdale and Day Monroe). *McCall's magazine*, December.

Christmas spirit by the box (with Ann Colman and Day Monroe). *Pictorial review*, December.

When you hear that turkey gobble (with Edith M. Barber). *Ibid.*, November.

Have you these things in your kitchen? (with Edith Barber). *Ibid.*, July.

The sandwich that almost makes a meal (with Bertha E. Shapleigh). *Ladies home journal*, August.

Market woman articles in *New York evening post*, Monday, Wednesday and Friday evenings.

CARMAN, Kenneth V. The lumber industry. Chicago, Life planning institute. 39p.

The machinist. Chicago, Life planning institute. 47p.

The printing trades. Chicago, Life planning institute. 53p.

Slaughtering and meat packing in-

dustry. Chicago, Life planning institute. 60p.

Stone and clay products. Chicago, Life planning institute. 30p.

Woodworking industries—the carpenter. Chicago, Life planning institute. 34p.

The rubber industry. Chicago, Life planning institute. 60p.

Banking. Chicago, Life planning institute. 40p.

MONROE, Day. Food education and the community (with May B. Van Arsdale). *Teachers College record*, 22:420, November.

Ice cream—how shall we freeze it? (with Ann Colman and Mary I. Barber). *Ibid.*, 22:253, May.

Why meat comes high (with May B. Van Arsdale). *McCall's magazine*, October.

Put yourself in the grocer's place (with May B. Van Arsdale). *Ibid.*, November.

Sweets for the holidays (with May B. Arsdale, Mary I. Barber, and Ann Colman). *Ibid.*, December.

Christmas spirit by the box (with Ann Colman and Mary I. Barber). *Pictorial review*, December.

ROSE, Mary Swartz. A laboratory handbook for dietetics. 2nd edition. New York, Macmillan. 156p.

Practice of Medicine

ATCHLEY, Dana W. Studies on the regulation of osmotic pressure; effect of increasing concentrations of gelatin on conductivity of sodium chloride solution (with Robert F. Loeb and Walter W. Palmer). *Journal of general physiology*, 3:801–06, July.

BRILL, Nathan E. Leucopenic leucemia. *Medical record*, 100:888–90, 19 November.

BURLINGAME, C. Charles. The art, not the science, of industrial medicine. *Journal of industrial medicine*, 2:368–73, February.

Partnership between the industrial physician and the practitioner. *National safety news*, 4:39, December.

Relations between physicians in industry and general practice (with Henry R. Sharpe and William R. Tinker). *Journal of the American medical association*, 76: 129–30, 8 January.

Shall the community assign to industry the public health concerns of the worker? *Nation's health*, 3:514–15, September.

CAMAC, C. N. B. Counsels and ideals from the writings of Sir William Osler. 2nd ed. Boston, Houghton, Mifflin, 355p.

Pork a safe food. Consideration of trichinosis. New York Sun, 28 December.

CARTER, Herbert S. Nutrition and clinical dietetics (with Paul E. Howe and Howard H. Mason). Philadelphia, Lea and Febiger, 703p.

DRAPER, George. Reversive secondary sex phenomena. *Medical clinics of North America*, 4:1345–74, March.

HERRICK, William W. Meningococcus infection. A summary of recent advances in the knowledge of its clinical features. *Pennsylvania medical journal*, 25:4, October.

Meningococcus infections including cerebrospinal fever. *Oxford medicine*, 5:71–105.

Serum treatment and management of lobar pneumonia. *Medical record*, 99:948–50, 4 June.

JACKSON, Henry, Jr. A modifica-

tion of Folin's uric acid method (with Walter W. Palmer). *Proceedings of the Society for experimental biology and medicine*, 18: 126, January.

JESSUP, D. Stuart Dodge. Pseudoxanthoma elasticum (with Binford Thorne and Herman Goodman). *Archives of dermatology and syphilology*, 4:419–47, October.

KANTOR, John L. The general management of functional digestive disorders. *Medical clinics of North America*, 4:1537–51, March.

The modern treatment of gastrointestinal diseases (series of eight articles). *Medical life*, 28:199–602, May-December.

LADD, William S. The carbohydrate fat ratio in relation to the production of ketone bodies in diabetes mellitus (with Walter W. Palmer). *Proceedings of the Society for experimental biology and medicine*, 18:109–10, January.

Pernicious anemia. Clinical study of 150 consecutive cases with special reference to gastric anacidity (with Walter W. Palmer). *Johns Hopkins hospital bulletin*, 32:254–66, August.

LAMB, Albert R. Multiple serositis. *Medical clinics of North America*, 4:1329–44, March.

LAMBERT, Samuel W. Intrathoracic teratomata. *Transactions of the Association of American physicians*, 35:17–62, June.

The treatment of arthritis by drugs. *New York state journal of medicine*, 21:406–09, November.

LINTZ, Joseph. Elephantiasis, with reference to syphilis. *New York medical journal*, 113:535–38, 6 April.

LOEB, Robert F. Acute nitrobenzol poisoning (with Arlie V. Bock and Reginald Fitz). *American journal of the medical sciences*, 161:539–46, April.

The influence of electrolytes on the solution and precipitation of casein and gelatin (with Jacques Loeb). *Journal of general physiology*, 4:187–211, November.

Studies on the regulation of osmotic pressure; effect of increasing concentrations of gelatin on conductivity of sodium chloride solution (with Dana W. Atchley and Walter W. Palmer). *Ibid.*, 3:801–06, July.

MCALPIN, Kenneth R. Hodgkin's disease (with Warfield T. Longcope). *Oxford medicine*, 5:1–43.

MACKENZIE, George M. Local desensitization in hypersensitive individuals and its bearing on the prevention of hay-fever (with Louis B. Baldwin). *Archives of internal medicine*, 28:722–32, December.

Relation of antibody and antigen to serum disease susceptibility (with W. H. Leake). *Journal of experimental medicine*, 33:601–20, May.

Serum desensitization. *Journal of the American medical association*, 76:1563–66, 4 June.

MARKS, Henry E. The clinical value of basal metabolism (with Herman O. Mosenthal). *Medical clinics of North America*, 4:1403–22, March.

MILLER, James A. Pulmonary tuberculosis and its clinical manifestations. *Nelson, Loose-leaf medicine*, 1:337–99.

OPPENHEIMER, Bernard S. Clinical experience with quinidin in auricular fibrillation (with Hubret Mann). *Journal of the American*

medical association, 77:1800–02, 3 December.

Electrocardiographic studies in intraventricular block (with M. A. Rothschild). *Proceedings of the American society for clinical investigation*, 18–20.

PALMER, Walter W. The carbohydrate fat ratio in relation to the production of ketone bodies in diabetes mellitus (with William S. Ladd). *Proceedings of the Society for experimental biology and medicine*, 18:109–10, January.

A modification of Folin's uric acid method (with Henry Jackson, Jr.). *Ibid.*, 18:126–27, January.

Studies on the regulation of osmotic pressure; effect of increasing concentrations of gelatin on conductivity of sodium chloride solution (with Dana W. Atchley and Robert F. Loeb). *Journal of general physiology*, 3:801–06, July.

SANGER, Bertram J. The glucose mobilization rate in hyperthyroidism. *Proceedings of the Society for experimental biology and medicine*, 18:117–20, October.

Variations in cases of hyperthyroidism from a clinical, laboratory and therapeutic standpoint (with Louis Bauman). *Medical clinics of North America*, 4:1393–1401, March.

SHORT, James J. The potassium content of normal and some pathological human bloods (with Victor C. Myers). *Journal of biological chemistry*, 48:83–92, September.

STEVENS, Franklin A. The peptolytic enzymes of hemolytic streptoccocci; methods (with Randoph West). *Proceedings of the Society for experimental biology and medicine*, 18:234–36, April.

Relation between the virulence of streptococci and hemolysin (with John W. S. Brady and Randolph West). *Journal of experimental medicine*, 33:223–30, February.

Variations in the streptolysin curve in serum media (with L. Lamar). *Proceedings of the Society for experimental biology and medicine*, 18:265–66, May.

STIMSON, Philip M. School health supervision. *Teachers College record*, 22:234–47, May.

Syphilis of the trachea and bronchi. A résumé of the diagnostic features, with three case reports. *American journal of the medical sciences*, 161:740–55, May.

Psychology

POFFENBERGER, Albert T. Motion pictures and crime. *Scientific monthly*, 12:336–40, April.

Psychological examinations. *Scientific American monthly*, 3:205–11, March.

An institute for vocational orientation. *School and society*, 14: 15–16, 9 July.

The psychology of advertising. *Editor and publisher*, 54:10, 5 November.

Review of: Mysticism, Freudianism and scientific psychology, by K. Dunlap. *Social hygiene*, 7: 326–27, July.

Review of: The group mind, by W. McDougall. *New York evening post*, 2 April.

THORNDIKE, Edward L. The letters of William James. *Science*, 53: 165–67, 18 February.

On the organization of intellect. *Psychological review*, 28:141–51, March.

Intelligence and its measurement: a symposium. I. *Journal of edu-*

cational psychology, 12:124–27, March.

The psychology of drill in arithmetic: the amount of practice. *Ibid.*, 12:183–94, April.

Word knowledge in the elementary school. *Teachers College record*, 22:334–70, September.

Measurement in education. *Ibid.*, 22:371–79, November.

The teacher's word book. New York, Teachers college.

The new methods in arithmetic. Chicago, Rand McNally & co.

The correlation between interests and abilities in college courses. *Psychological review*, 28:374–76, September.

Wood, Ben D. The measurement of college work. *Educational administration and supervision*, 7: 301–334, September.

The reliability of College entrance board examinations in algebra and geometry of June 1921. New York, College entrance examination board.

The reliability of prediction of proportions on the basis of random sampling. *Journal of educational research*, December.

Woodworth, Robert S. Psychology: a study of mental life. New York, Holt. 580p.

Religion

Coe, George A. The functions of children in society. *Religious education*, 16:29–36, February.

The religious breakdown of the ministry. *Journal of religion*, 1: 18–29, January.

Foakes Jackson, F. J. A biblical history of the Hebrews. 4th edition, enlarged. Cambridge, Eng., Heffer.

An introduction to the history of Christianity, A. D. 590–1314. New York, Macmillan.

Christ and the creeds. *Modern churchman*, September.

Romance Languages and Literatures

Dondo, Mathurin M. Two blind men and a donkey, a play for marionettes. *Poet lore*, 32:391–402, September.

Gerig, John L. Modern philology. *New international year-book*, 1920, p. 536–40.

Review of: La pensée italienne au XVI^{e} siècle et le courant libertin, par J. Roger Charbonnel. *Modern language notes*, 36; 166–174, March.

Doctoral dissertations in the Romance languages at Columbia University: a survey and bibliography. *Romanic review*, 12:73–79, January-March.

Associate editor: *Romanic review.*

Onís, Federico de. Introduction to: Canción de cuna por G. Martinez Sierra, edited by Aurelio M. Espinosa. Boston, Heath.

Introduction to: Linares Rivas. El abolengo y la cizaña, edited by G. Miller, commissioner of education of Porto Rico. Boston, Heath.

Spiers, A. G. H. Edmond Rostand's Cyrano de Bergerac. New York, Oxford university press. 387p.

A new book of pity. *Weekly review*, 4:59–60, 19 January.

Romain Rolland, champion of modern individualism. *Weekly review*, 5:97–98, 30 July.

Todd, Henry Alfred. Letter on "A little boy's Utopia", in the Contributors column, *Atlantic*, 128:287–88, August.

Weeks, Raymond. The siège de

Barbastre. *Romanic review*, 12: 155–67, April-June.

Review of: Exercices français, by M. S. Pargment. *Educational review*, 61:227–31, May.

Editor: Labiche and Martin's La poudre aux yeux, by L. Cardon. New York, Oxford university press. 108p.; Dumas' Demimonde, by H. A. Smith and R. B. Michell. New York, Oxford university press. 249p.

Two sketches. *Midland*, 7:253–57, July.

Two poems. *Midland*, 7:319, August.

Co-editor: *Romanic review*, v. 12.

Slavonic Languages

MANNING, Clarence A. The problem of unreality in Russian literature. *Sewanee review*, 29: 351–59, June.

Russian literature and the orthodox church. *American church monthly*, 10:141–53, October.

PRINCE, John Dyneley. Accent shift in Russian nouns. The Slavonic department, Columbia university. 14p.

Possible non-European elements in "Hittite." *Journal of the American oriental society*, 41:210–24.

Passamaquoddy texts. *Publications of the American ethnological society*, 10:1–85.

Surgery

BANCROFT, Frederic W. Acute haematogenous isteomyelitis. *Annals of surgery*, 73:681–700, June.

Old posterior dislocation of the shoulder. *Surgical clinics of North America*, 1:1739–88, December.

BREWER, George E. Recurrence of calculi in common and hepatic ducts after cholecystectomy. *Archives of surgery*, 2:145–52, January.

Some unusual experiences in the diagnosis and treatment of intermittent hydro-nephrosis. *New York state journal of medicine*, 21:151–55, May.

Typical fibromyoma of the abdominal wall following hystrectomy. *Annals of surgery*, 74: 364, September.

CARLUCCI, Gaston A. Polypoid limpoma of the intestinal tract. *Annals of surgery*, 74:230–35, August.

CARP, Louis. Epicondylitis humeri. *Surgery, gynecology and obstetrics*, 32:257–58, March.

Ranula of branchial origin. *Ibid.*, 33:182–83, August.

Some phases of leg ulcer. *American journal of surgery*, 35:180–85, June.

COLP, Ralph. Text-book of surgical nursing (with Manelva Keller). New York, Macmillan. 453p.

DOWD, Charles N. The surgical treatment of megocolon. *Annals of surgery*, 74:468, October.

ELIOT, Ellsworth. The management of pelvic abscess in acute appendicitis (with Otto C. Pickhardt). *Annals of surgery*, 74: 480–89, October.

MARTIN, Walton. Tuberculosis of the lymphatic vessels of the leg and of the second metacarpal bone. Secondary elephantiasis. *Surgical clinics of North America*, 1:473–80, April.

MATHEWS, Frank S. Mechanical factors in the management of recent empyemas. *Annals of surgery*, 73:735–39, June.

PECK, Charles H. Cavernous hæmangioma of left lobe of liver.

Surgery, gynecology and obstetrics, 33:277–80, September.

Obstructions of the colon and ileocæcal region. *Ibid.*, 32:408–11, May.

PENFIELD, Wilder G. The Golgi apparatus and its relationship to Holmgren's trophospongium in nerve cells. Comparison during retispersion. *Anatomical record*, 22:57–80, August.

PICKHARDT, Otto C. The management of pelvic abscess in acute appendicitis (with Ellsworth Eliot). *Annals of surgery*, 74:480–89, October.

POOL, Eugene H. The early treatment of gunshot wounds. *Oxford surgery*, 5:745–75.

Late results of gastroenterostomy for chronic ulcers and acute perforated ulcers (with P. A. Dineen). *Journal of the Medical society of New Jersey*, 18:214.

Military surgery of joints. *Keen's surgery*, 7:557–89.

Operation for the removal of complete cervical rib. *Surgical clinics of North America*, 1:325–38, April.

Pericardiotomy for suppurative pericarditis. *Annals of surgery*, 73:393–416, April.

YEOMANS, Frank C. Biopsy of intestinal tumor and a new specimen forceps. *American journal of surgery*, 35:376–78, December.

Chronic ulcerative colitis. *Journal of the American medical association*, 77:204–48, 24 December.

University Extension

ADAMS, Elizabeth Kemper. Women professional workers. New York, Macmillan. 467p.

Has the undergraduate college pre-professional obligations? *Vassar miscellany*, April.

AUGHINBAUGH, William E. Advertising for trade in Latin America. New York, Century company. 381p.

BRADFORD, Ernest S. What to expect from business research. *Administration*, November.

Starting research: outlining the investigation. *Ibid.*, December.

Unemployment as an industrial problem. *Management engineering*, 1:299–302, November.

Unemployment—methods of measuring. *Quarterly publications of the American statistical association*, December.

CHITTICK, James. Weekly articles on textile fabric, entitled Facts about fabrics in *Garment weekly;* also in *Garment manufacturer's index.*

COKELL, Walter B. Statistics in business. *Administration*, 1:585–92.

COX, James W., JR. The manufacture of woolen paper makers' felts and jackets. *Textile world*, 1 January, 5–12 March, 9 April, 14 May.

The manufacture of tobacco shade cloth. *Ibid.*, 21 May.

A knowledge of cloth. *Clothing trade journal*, July.

Woolen and worsted, the differences. *Ibid.*, August.

Carded and combed cotton goods. *Shirt and undergarment trade journal*, August.

Handling woolens and worsteds. *Clothing trade journal*, September.

The manufacture of cows hair felt. *Textile world*, 3 September.

Adaptability in the textile industry. *Ibid.*, 6 August.

Qualities of woolens and worsteds. *Clothing trade journal*, October.

Uncommon uses of textile products. *Textile world*, 19 November.

Handling cotton goods. *Shirt and undergarment trade journal*, November.

Why various cloths are strong, weak, rough, flimsy, cool, etc. *Ibid.*, December.

Cloth for mechanical uses. *Journal of the American society of mechanical engineers*, March; *Southern textile bulletin*, 1 January; *Sibley journal of engineering*, February; *Chemical and metallurgical engineering*, 6 April; published serially in *American wool and cotton reporter;* also in *Fibre and fabric;* also in *Textiles;* also in *Textile world.*

CURTIS, Everett N. The marking of patented articles. *Columbia law review*, April.

DOHR, James L. Municipal accounting; Chapter in, Kester's Accounting theory and practice, vol. 3. New York, Ronald press.

FARNHAM, C. Evangeline. American travellers in Spain; the Spanish inns, 1777–1867. New York, Columbia university press.

GRAY, George Herbert. The land question as related to city planning and housing. *Journal of the American institute of architects*, 9:330–37, October.

GREELEY, Harold Dudley. Accounting in decedents' estates. *Administration*, 1: no. 2–4, February-April.

Problems for the business executive. *Ibid.*, 1: no. 1–6, January-June.

HENRY, Mellinger E. North Carolina calls climbers, good trails to the summit of Mt. Mitchell. *New York evening post*, 27 April.

The Monroe sky-line trail of the Green Mountains. *Ibid.*, 24 June.

Discoveries in mountain hiking. *Ibid.*, 9 September.

The Monroe sky line trail, with introduction by Theron S. Dean. Reprinted in a pamphlet by the Green Mountain club, from the *New York evening post.*

INMAN, Samuel Guy. Problems in Pan Americanism. New York, George H. Doran. 415p.

South America today. New York, Committee on cooperation in Latin America, 1920. 120p.

Santo Domingo old and new. *Pan American magazine*, January.

The Bible in Latin America. *World call*, March.

Missionary problems in Santo Domingo. *Missionary review of the world*, January.

Encouraging developments in inter-American friendship. New York, *El estudiante latino-americano*, February.

The Monroe doctrine. *Hispanic American historical review*, November.

International missionary cooperation restored. *World call*, December.

Paraná, exponent of North American education. *Pan American union, Bulletin*, November.

The human quality in the Mexican question. *New York Young women's christian association, Bulletin*, February.

Article re student uprising in Peru. *New York evening post*, 8 April.

Principios que debieran inspirarnos en nuestras relaciones futuras con Mexico. New York, *La nueva democracia*, February.

La actitud primitiva de los Estados Unidos acerca de Ibero-América. *Ibid.*, May.

La actitud primitiva de los Estados Unidos acerca de Ibero-América. *Ibid.*, August.

La América Central. *Ibid.*, September.

La sociología e Ibero-América. *Ibid.*, December.

La Rochelle, Philippe de. Translator: La bannière etoilée (Star spangled banner). Translation for school use, French clubs, etc. New York, Messing & Mortimer.

Littlefield, Milton S. The geographical background. *Church school*, January-July.

What is good music. *Ibid.*, November.

McClees, Helen. Kalos-names on Attic vases. *Bulletin of the Metropolitan museum of art*, 16: 211–13, October.

Maclean, Joseph B. Swedish mortality investigation; mortality among insured lives subject to extra hazard from tuberculosis and from certain other causes. *Transactions of the Actuarial society of America*, 22:209–21, May.

Mosher, William E. The next step in civil service reform. *National municipal review*, March.

Patterson, Frances Taylor. Cinema craftsmanship. Revised edition. New York, Harcourt, Brace & company. 277p.

Perrier, José Louis. Bertran de Born, patriot and his place in Dante's Inferno. *Romanic review*, 12:21–43, January–March.

Ἡ προφορὰ τῶν νέων Ἑλλήνων. *Phos*, 1:no. 12, August.

Ἡ Ἑρασμικὴ προφορά *Ibid.*, 2:no. 1, September.

Ὁ βίος τοῦ Πυθάγόρου. *Ibid.*, 2:no. 2, October.

Ἡ προφορὰ τῆς ἀρχαίας Ἑλληνικῆς γλώσσης. New York, Phos press.

Person, Harlow S. Editor: *Bulletin of the Taylor society.*

Polowe, David. Graveyard of Shipping board's fleet fast filling up. *New York herald, Sunday magazine*, 20 March.

Pointing the way. *Neptune log*, 1:10, September.

Robinson, Geroid Tanquary. Asia's American problem. New York, Huebsch. 27p.

The decentralization of Russian history. *Political science quarterly*, 36:454–68, September.

Sweatshop or soviet? *Freeman*, 2: 443–45, 19 January.

Peasants and pioneers. *Ibid.*, 3: 295–96, 8 June.

Robinson, Mabel L. Dr. Tam O'-Shanter. New York, Dutton. 174p.

Rogers, Rowland. Films in the New York schools. *Moving picture age*, August.

Motion pictures push sales abroad. *Advertising and selling magazine*, 11 June.

Russman, Albin. The organization and accounts of a public accountant's office: Chapter in, Accounting theory and practice, by R. B. Kester, vol. 3. New York, Ronald press.

Sanders, Frank K. Old Testament prophecy. New York, Scribner's. 110p.

Stanoyevich, Milivoy S. The Jugoslavs. New York, America's making. 30p.

Jugosloveni i ńihova kńiževnost u doba preporođaja (Jugoslavs and their literature in the age of

renaissance). *Jugoslavia*, Chicago, 11:6, 3 December.

Anthology of Jugoslav poetry (with B.S.Stanoyevich). Boston, Badger, 1920. 162 p.

STONE, Charles Leonard. Freshman intelligence. *Dartmouth alumni magazine*, March.

WILKINS, Lawrence A.. Compendio de gramática española. New York, Henry Holt & company.

Beginners' Spanish reader. New York, Henry Holt & company.

Exercise book in Spanish (with Hymen Alpern). New York, Globe book company.

Editor: *Bulletin of high points in the work of the high schools of New York city.*

WILLIAMS, Blanche Colton. Editor: O. Henry memorial award prize stories, 1920, vol. II. Garden city, Doubleday, Page and co.

Maxwell Struthers Burt. *Bookman*, March.

Zoology

BROADHURST, Jean. All through the day the Mother Goose way. Philadelphia, J. B. Lippincott co. 60p.

CALKINS, Gary N. Memorial remarks. *Proceedings of the Society for experimental biology and medicine*, memorial number for Samuel James Meltzer, M. D., p. 10.

Uroleptus mobilis engelm IV. Effect of cutting during conjugation. *Journal of experimental zoölogy*, 34:449–70, November.

CRAMPTON, Henry E. A journey to the Mariana Islands—Guam and Saipan. *Natural history*, 21:126–45, March–April.

GREGORY, William K. The origin and evolution of the human dentition, part V. *Journal of dental research*, March.

KOSTIR, Wencel J. The comparative resistance of different species of Euglenidae to citric acid. *Ohio journal of science*, 21:267–71, June.

Laboratory guide in elementary zoology (with F. H. Krecker). Privately published.

OSBORN, Henry Fairfield. The evolution, phylogeny, and classification of the *Proboscidea*. *American museum Novitates*, no. 1.

Resemblances and contrasts between zoologic and palæontologic research in mammalogy, etc. *Journal of mammalogy*, 2:1–11.

Camarasaurus, *Amphicœlias*, and other sauropods of Cope (with Charles Craig Mook). *Memoirs of the American museum of natural history*, n. s. 3:247–387.

[As President]. Fifty-second annual report of the trustees of the American museum of natural history for the year 1920. 265p.

The third award of the Daniel Giraud Elliot medal. *Science*, 53:480–81, 20 May.

Review of: The new stone age in northern Europe, by J. M. Tyler. *New York evening post, Literary review*, 1:5, 20 May.

A communication—Professor Henry Fairfield Osborn on the purposes and policy of the American museum of natural history. *New York Globe*, 6 June.

First appearance of the true mastodon in America. *American museum Novitates*, no. 10.

The first appearance of the true mastodon in America. *Science*, 54:108, 5 August.

Heads of African elephants. *Natural history*, 21:245–46.

Address of welcome to the second International congress of eugenics, published by American museum of natural history, 4p.; *Science*, 54:311–13, 7 October.

The evolution, phylogeny, and classification of the *Mastodontoidea*. *Bulletin of the Geological society of America*, 32:327–32.

Roosevelt the student of nature. *New York Sun*, 89:24, 3 November.

Objects of the Tropical research station. *Zoologica*, 3:3–11.

Eugenics; the American and Norwegian programs. *Science*, 54: 482–84, 18 November.

Prehistoric sculpture; an account of the discovery of the two bisons sculptured in clay by the Crô-Magnons of 25,000 years ago. *Scientific American*, 125 A:86–87, December.

The American society of naturalists. *Science*, 54:576, 9 December.

Adaptive radiation and classification of the *Proboscidea*. *Proceedings of the National academy of sciences*, 7:231–34.

Joel Asaph Allen, 1838–1921. An appreciation. *Natural history*, 21:511–15.

L'origine et l'évolution de la vie. Édition française avec préface et notes par Félix Sartiaux. Paris, Masson et cie.

VI. DISSERTATIONS SUBMITTED BY CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

This list forms the twelfth annual supplement to the *Lists of theses submitted by candidates for the degree of doctor of philosophy in Columbia university, 1872–1910.* (Columbia university bulletin of information, 10th series, no. 26, July 10, 1910.)

ALLING, Harold Lattimore. The mineralography of the feldspars. iv, 193–295 p. plates, tables, diagrs. 24 cm.
Pub. also as Contributions from the Department of geology of Columbia University. v. 28, no. 5.
Reprinted from the *Journal of geology*. v. 29, no. 3, 1921.

ALZONA, Encarnación. Some French contemporary opinions of the Russian revolution of 1905. New York, 1921. 119p. 22½ cm.
Pub. also as Studies in history, economics and public law. v. 100, no. 2; whole no. 228.

BEARDSLEY, Wilfred Attwood. Infinitive constructions in Old Spanish. New York, Columbia university press, 1921. xiv, 279p. 21 cm. $2.50.
Pub. also as Columbia University studies in Romance philology and literature.

BEAVER, David John. A study of the effect of certain electrolytes on stabilizing and precipitating gold sols. Kingston, Jackson press, 1921. 33p. 23 cm.

BEAVER, Jacob Julius. Compound formation in phenol-cresol mixtures. Kingston, Jackson press, 1921. 24p. 23 cm.

BELL, James Christy. Opening a highway to the Pacific, 1838–1846. New York, 1921. 211p. plates, map. 22½ cm. $2.25.
Pub. also as Studies in history,

economics and public law. v. 96, no. 1; whole no. 217.

BIZZELL, William Bennett. Farm tenantry in the United States. 408p. 22½ cm.

Pub. also as Texas agricultural experiment station, Agricultural and mechanical college of Texas. Bulletin no. 278, April, 1921.

BOLWELL, Robert Whitney. The life and works of John Heywood. New York, Columbia University press, 1921. xiii, 188p. 20 cm. $2.50.

Pub. also as Columbia University studies in English and comparative literature.

BRANDT, Lida Roberts. Social aspects of Greek life in the sixth century B. C. Philadelphia, Davis, 1921. 109p. 24½ cm.

BRANT, Laura. Magnetic susceptibility of nickel and cobalt chloride solutions. p. 678–699. tables, diagrs. 25½ cm.

Pub. also as Phoenix physical laboratory contributions, no. 48. Reprinted from the *Physical review*, new series, v. 17, no. 6, June, 1921.

BROOKS, Fowler Dell. Changes in mental traits with age, determined by annual re-tests. New York, Teachers College, 1921. 86p. tables. 24 cm. Cloth, $1.60; paper, $1.25.

Pub. also as Teachers College contributions to education. no. 116.

BURGESS, Mrs. May Ayres. The measurement of silent reading. New York, Dept. of education, Russell Sage foundation, 1921. 163p. tables, diagrs, 18 cm.

Pub. also as Russell Sage foundation Education monographs.

CALDWELL, Mary Letitia. An experimental study of certain basic amino acids. Kingston, Jackson press, 1921. 20p. 23½ cm.

COMSTOCK, Alzada. State taxation of personal incomes. New York, 1921. 247p. 22½ cm. $2.50.

Pub. also as Studies in history, economics and public law. v. 101, no. 1; whole no. 229.

COOPER, Irma Jane. The life and public services of James Logan. New York, 1921. 77p. 23 cm.

CRANE, Arthur Griswold. Education for the disabled in war and industry; army hospital schools; a demonstration for the education of disabled in industry. New York, Teachers College, 1921. iv, 83p. illus., tables, charts. 24½ cm. Cloth, $1.75.

Pub. also as Teachers College contributions to education, no. 110.

DAKE, Charles Laurence. The problem of the St. Peter sandstone. Rolla, Missouri, 1921. 228p. 30 pl. 23 cm.

Pub. also as School of mines and metallurgy, University of Missouri, Bulletin, August, 1921. Technical series, vol. 6, no. 1.

DAWSON, John Charles. Toulouse in the renaissance; the floral games, university and student life, Étienne Dolet (1532–1534). Part I. The floral games of Toulouse (Les jeux floraux) New York, Columbia University press, 1921. xiv, 87p. 2 facsims. 23½ cm. $1.50.

Pub. also as Columbia University studies in Romance philology and literature.

DIBBLE, Roy Floyd. Albion W. Tougée. New York, Lemcke, 1921. 161p. 19 cm.

DOUGLAS, Paul Howard. American apprenticeship and industrial education. New York, 1921. 349p. 23 cm. $3.00.

Pub. also as Studies in history, economics and public law. v. 95, no. 2; whole no. 216.

DRACHSLER, Julius. Intermarriage in New York city. New York, 1921. 204p. 23 cm. $2.25.

Pub. also as Studies in history, economics and public law. v. 94, no. 2; whole no. 213.

DUNN, Fannie Wyche. Interest factors in primary reading material. New York, Teachers College, 1921. 70p. 24 cm. Cloth, $1.60; paper, $1.35.

Pub. also as Teachers College contributions to education. no. 113.

ENSIGN, Forest Chester. Compulsory school attendance and child labor; a study of the historical development of regulations compelling attendance and limiting the labor of children in a selected group of states. New York (?), 1921. ix, 263p. 23½ cm.

FARNHAM, Carrie Evangeline. American travellers in Spain; the Spanish inns, 1776–1867. New York, Columbia University press, 1921. 58p. 23 cm.

FLORES, Pastoriza. History of the boundary dispute between Ecuador and Peru. New York, 1921. 89p. maps. 23 cm.

FLOYD, Juanita Helm. Women in the life of Honoré de Balzac. New York, Holt, 1921. xxxiv, 320 p. 21½ cm.

FORD, Harry Egerton. Modern Provençal phonology and morphology, studied in the language of Frédéric Mistral. New York, Columbia University press, 1921. vi, 93p. 23 cm.

Pub. also as Columbia University studies in Romance philology and literature.

FRANKLIN, Alberta Mildred. The Lupercalia. New York, 1921. 102p. 24½ cm.

FROST, Norman. A comparative study of achievement in country and town schools. New York, 1921. 70p. tables. 24 cm. Cloth, $1.60; paper, $1.00.

Pub. also as Teachers College contributions to education. no. 111.

GOLDBERG, Jacob Alter. Social aspects of the treatment of the insane, based on a study of New York experience. New York, 1921. 249p. 22½ cm. $2.50.

Pub. also as Studies in history, economics and public law. v. 97, no. 2; whole no. 221.

GRAHAM, Walter. Tory criticism in the Quarterly review. New York, Columbia University press, 1921. vi, 53p. 20½ cm.

GRAPER, Elmer D. American police administration; a handbook on police organization and methods of administration in American cities. New York, The Macmillan company, 1921. vii, 357p. 21½ cm.

HASTINGS, Albert Baird. The physiology of fatigue; physico-chemical manifestations of fatigue in the blood. Washington, 1921. 42p. plates, tables. 23 cm.

Pub. also as Public health bulletin, Treasury dept. no. 117.

HERTZOG, Walter Scott. State maintenance for teachers in training. Baltimore, Warwick & York, inc., 1921. 146p. tables. 18½ cm.

HIGBIE, Edgar Creighton. An objective method for determining certain fundamental principles in secondary agricultural education. New York (?) 1921 (?) 63p. tables. 23½ cm.

HONEYWELL, Hannah Elizabeth.

Studies in the sugar in the blood of pigeons. New York (?) 1921. p. 152–68. 25½ cm.

Reprinted from the *American journal of physiology*. v. 58, no. 1, November, 1921.

HOSIC, James Fleming. Empirical studies in school reading, with special reference to the evaluation of literary reading books. New York, Teachers College, 1921. viii, 174p. 24½ cm. Cloth, $2.50; paper, $2.00.

Pub. also as Teachers College contributions to education. no. 114.

HOU, Te-Pang. Iron tannage. New York, 1921. 85p. 23 cm.

Reprinted from *Journal of American leather chemists association*, February, March, April, May, 1921.

IWASAKI, Uichi. The working forces in Japanese politics; a brief account of political conflicts. New York, 1921. 143p. 23 cm. $1.50.

Pub. also as Studies in history, economics and public law. v. 97, no. 1; whole no. 220.

JOHANN, Norma Eva. A study of the composition of an ammonium phosphomolybdate and the determination of phosphorus. Kingston, Jackson press, 1921. 27p. 23½ cm.

JORDAN, Arthur Melville. Children's interests in reading. New York, Teachers College, 1921. 143p. 25 cm. Cloth, $1.90; paper, $1.50.

Pub. also as Teachers College contributions to education. no. 107.

JOSEY, Charles Conant. The rôle of instinct in social philosophy. New York, Holt, 1921. 76p. 24 cm.

KELLY, John Alexander. England and the Englishman in German literature of the eighteenth century. New York, Columbia University press, 1921. xvii, 156p. 23 cm. $1.25.

Pub. also as Columbia university Germanic studies.

KIEHL, Samuel Jacob. The hydration of sodium monometaphosphate to orthophosphate in varying concentrations of hydrogen ion at 45° centigrade. New York, 1921. 46p. diagrs. 21 cm.

LAMER, Victor Kuhn. The effect of temperature and hydrogen ion concentration upon the rate of destruction of the antiscorbutic vitamin. Kingston, Jackson press, 1921. 35p. diagrs., tables. 23 cm.

LEE, Mabel Ping-Hua. The economic history of China, with special reference to agriculture. New York, 1921. 463p. tables. 22 cm. Cloth, $5.25; paper, $4.50.

Pub. also as Studies in history, economics and public law. v. 99, no. 1; whole no. 225.

LEWIS, Ervin Eugene. Scales for measuring special types of English composition. Yonkers, World book company, 1921. v, 144p. tables.

LEWIS, Leland Judson. The hydrolysis of fats by reagents made from cymene. New York, 1921. 24p. diagrs. 23 cm.

Reprinted from *Chemical and metallurgical engineering*. v. 24, June 1, 1921.

LYDER, Ernest Elmer. The thermal decomposition of oil shales. New York, 1921. 36p. tables, diagrs. 23 cm.

MARTIN, Charles Emanuel. The policy of the United States as

regards intervention. New York, 1921. 175p. 22½ cm. $2.00.
Pub. also as Studies in history, economics, and public law. v. 93, no. 2; whole no. 211.

MEIER, Henry Frederick August. Effect of direct current on cells of root tip of Canada field pea. p. 113–138. 2 pl. 24 cm.
Reprinted from the *Botanical gazette*. v. 72, no. 3, September, 1921.

MEISTER, Morris. The educational value of certain after-school materials and activities in science. New York, 1921. 175p. plate. 23 cm.

MEYER, Martin. Dehydrothiotoluidin, its isomers, homologues, analogues and derivatives. New York, 1921. 48p. 23 cm.

MICHENER, Anna Marguerite. The budget system of Frankfort-on-the-Main. New York, 1921. 127p. tables. 23 cm.

MINER, Clarence Eugene. The ratification of the federal constitution by the state of New York. New York, 1921. 137p. 22½ cm. $1.50.
Pub. also as Studies in history, economics and public law. v. 94, no. 3; whole no. 214.

MOON, Parker Thomas. The labor problem and the social Catholic movement in France; a study in the history of social politics. New York, Macmillan, 1921. xiv, 473p. 20½ cm.

MORISHIMA, Kan-Ichiro. Variations in typhoid bacilli. p. 275–323. 25½ cm.
Reprinted from the *Journal of bacteriology*. v. 6, no. 3, May, 1921.

MORRIS, Homer Lawrence. Parliamentary franchise reform in England from 1885 to 1918. New York, 1921. 209p. 22½ cm. $2.25.
Pub. also as Studies in history, economics and public law. v. 96, no. 2; whole no. 218.

MORRIS, John Van Liew. Training and education in the industry as a means of vocational education, being a study of the training and education departments of various industrial corporations. New York, McGraw-Hill, 1921 (?) xxiii, 311p. 20 cm.
Pub. also under title: Employee training.

NACCARATI, Sante. The morphologic aspect of intelligence. New York, 1921. 44p. tables. 24½ cm.
Reprinted from *Archives of psychology*. no. 45.
Pub. also as Columbia University contributions to philosophy and psychology. v. 27, no. 2.

NEALE, Mervin Gordon. School reports as a means of securing additional support for education in American cities. Columbia, Missouri, Missouri book company, 1921. xii, 137p. tables, facsims. 24 cm.

PHILLIPS, Hubert. The development of a residential qualification for representatives in colonial legislatures. Cincinnati, Abingdon press, 1921. 257p. 23½ cm.

PITTMAN, Marvin Summers. The value of school supervision, demonstrated with the zone plan in rural schools. Baltimore, Warwick, 1921. x, 129p. 19 cm.

POST, Emil Leon. Introduction to a general theory of elementary propositions. p. 163–185. 25 cm.
Reprinted from *American Journal of mathematics*. vol. 43, no. 3, 1921.

QUISUMBING, Francisco A. Comparative study of conditions affecting the determination of reducing sugars by Fehling solution. New York, 1921. 49p. tables, diagrs. 23 cm.

RAYMOND, Dora Neill. British policy and opinion during the Franco-Prussian war. New York, 1921. 437p. 22½ cm. $4.50.

Pub. also as Studies in history, economics and public law. v. 100, no. 1; whole no. 227.

ROSENBERGER, Noah Bryan. The place of the elementary calculus in the senior high-school mathematics, and suggestions for a modern presentation of the subject. New York, Teachers College, 1921. vii, 80p. diagrs. 24 cm. Cloth, $1.60; paper, $1.25.

Pub. also as Teachers College contributions to education. no. 117.

SCRUGHAM, Mary. The peaceable Americans of 1860–1861; a study in public opinions. New York, 1921. 127p. 22 cm. $1.50.

Pub. also as Studies in history, economics and public law. v. 96, no. 3; whole no. 219.

SIMBOLI, Cesidio R. Disease-spirits and divine cures among the Greeks and Romans. New York, 1921. 83p. 23 cm.

SIMONS, Harold Lester. A study of the initial velocity in the hydrolysis of sucrose by invertase. New York, 1921. 32p. tables. 22 cm.

SPIER, Leslie. The sun dance of the Plains Indians, its development and diffusion. New York, 1921. p. 451–527, map. 24½ cm. $1.00.

Pub. also as Anthropological papers of the American museum of natural history. v. 16, pt. 7.

STRAUSS, Frank Abraham. Benzoic acid from benzene; a study of a possible commercial synthesis. New York, 1921. 40p. diagrs. 23 cm.

Reprinted from *Chemical and metallurgical engineering*, v. 24, April 13 and 20, 1921.

THOMAS, Harvey Earl. The relation of the health of the host and other factors to infection of Apium graveolens by Septoria apii. p. 1–29. 23½ cm.

Reprinted from the *Bulletin of the Torrey botanical club.* v. 48, January 24, 1921.

Pub. also as Contribution from the Department of botany of Columbia university.

TOOPS, Herbert Anderson. Trade tests in education. New York, Teachers college, 1921. vi, 118p. illus., tables, diagrs. 24 cm. Cloth, $2.00; paper, $1.50.

Pub. also as Teachers College contributions to education. no. 115.

TOWNSEND, Mary Evelyn. Origins of modern German colonialism, 1871–1885. New York, 1921. 207p. 22½ cm. $2.25.

Pub. also as Studies in history, economics and public law. v. 98, no. 1; whole no. 223.

VOELKER, Paul Frederick. The function of ideals in social education. New York, Teachers College, 1921. 127p. 24½ cm. Cloth, $1.80; paper, $1.35.

Pub. also as Teachers College contributions to education, no. 112.

WALES, Horatio. Addition compound formation in aqueous solutions; hydrates at the boiling-point. Polo, Illinois, Tri-county press, 1921. 26p. diagrs. 23½ cm.

WELLS, Margaret Elizabeth. A project curriculum, dealing with the project as a means of organiz-

ing the curriculum of the elementary school. Philadelphia, Lippincot, 1921. ix, 338p. 19 cm.

WILL, Joseph Stanley. Protestantism in France: Volume two, 1598–1629. University of Toronto press, 1921. 265p. 20½ cm.

YARMOLINSKY, Avrahm. Dostoievsky; a study in his ideology. New York, 1921. 70p. 23 cm.

YATES, Anna Baker. The mechanism of the recovery or maintenance of systematic blood pressure after complete transection of the spinal cord. Baltimore, 1921. p. 68–94. tables. 27 cm.

Reprinted from the *American journal of physiology*. v. 57, no. 1, August 1921.

Supplementary list of dissertations submitted in 1915-1920

1915

STURTEVANT, Alfred Henry. The behavior of the chromosomes as studied through linkage. Berlin, Borntraeger, 1915. p. 234–287. illus. 25 cm.

Pub. also as an independent monograph.

Reprinted from *Zeitschrift für induktive abstammungs und vererbungslehre*. 1915. vol. 13, pts. 3–4.

1919

MORGAN, Jerome John. A study of the vapor pressures of potassium compounds, with applications to the recovery of potash by volatilization. New York, 1919. 41p. tables, diagrs. 23½ cm.

1920

ADLER, Howard. The formation of addition compounds between formic acid and metallic formates; a discussion of the factors affecting the stability of these compounds. New York, 1920. 40p. 22½ cm.

BERKSON, Isaac Baer. Theories of Americanization; a critical study, with special reference to the Jewish group. New York, Teachers college, Columbia University, 1920. viii, 226p. 21½ cm.

Pub. also as Columbia University contributions to education. no. 109.

HARVEY, Mortimer Thomas. Further studies on phenolic hexamethylenetetramine compounds. New York, 1920. 18p. 23 cm.

LITTELL, Clair Francis. The neutralization of states; a study in diplomatic history and international law. Meadville, Pa., 1920. 181p. 23 cm.

OGILVIE, Paul Morgan. International waterways: I. The evolution of the principle of international waterways; II. A reference-manual to the treaties, conventions, laws and other fundamental acts governing the international use of inland waterways. New York, Macmillan, 1920. 424p. 22½ cm. $3.00.

PAGAR, Shankar Madhav. The Indian income tax, its history, theory and practice. Baroda, 1920. 5, 220, 2p. 21 cm.

REAVIS, George Harve. Factors controlling attendance in rural schools. New York, Teachers college, Columbia University, 1920. 69p. tables, forms. 23 cm. Cloth, $1.60; paper, $1.00.

Published also as Teachers College

contributions to education. v. 108.

SAFIR, Shelley Ray. Genetic and cytological examination of the phenomena of primary non-disjunction in Drosophila melanogaster. p. 459–487. plate, tables, diagrs. 25 cm.

Reprinted from *Genetics*. v. 5, September, 1920.

STEINER, William Howard. Some aspects of banking theory. New York, Gray, 1920. 158p. 18½ cm.

STUDENSKY, Paul. Teachers' pension systems in the United States; a critical and descriptive study. New York, Appleton, 1920. xx, 460p. 23 cm. $3.00.

Pub. also in Publications of the Institute for government research. Studies in administration.

WRIGHT, Alexander Holland. The viscosity of liquids. IV. Ideal liquid mixtures of the types ether-ether and ester-ester. Kingston, Jackson press, 1920. 23p. diagrs., tables. 23½ cm.

INDEX

ABBOTT, ALLAN, 8, 34
Academic calendar, 3
Academy of political science, Proceedings, 9
ADAM, M. I., 39
ADAMS, E. K., 57
ADLER, H., 6, 7, 67
Administration, 11
Agriculture, 16
ALLEN, BERNICE, 5
ALLING, H. L., 8, 61
Alumni and student publications, 11
ALZONA, E., 9, 61
Anatomy, 16
Ancient and oriental languages, Announcement, 4
ANDREWS, B. R., 51
ANDREWS G. C., 25
ANDREWS, J. C., 6
Anglican theological review, 10
Annual catalogue, Columbia University, 4
Anthropology, 16
  Announcement, 4
Architecture, Announcement, 4
ARNY, HENRY V., 49
ATCHLEY, D. W., 52
AUGHINBAUGH, W. E., 57
AYRES, H. M., 34

Bacteriology, 16
BAEKELAND, L. H., 21
BAGLEY, W. C., 30
BAKER, S. JOSEPHINE, 46
BALLARD, C. W., 49
BANCROFT, F. W., 56
BARBER, M. I., 51
BARD, S., 11
Barnard bear, 11
Barnard bulletin, 11
Barnard college, Announcement, 4
Barnard college blue book, 11
BARNOUW, A. J., 37
BEARDSLEY, W. A., 10, 61
BEAVER, D. J., 61
BEAVER, J. J., 7, 22, 61
BELL, JAMES C., 61
BERKEY, Charles P., 36
BERKSON, I. B., 7, 67
BERMAN, L., 17
BINGHAM, SETH, 45
Biological chemistry, 17
Biology, Announcement, 3
BIZZELL, W. B., 62
BLANCHARD, R. H., 19
BOAS, FRANZ, 16
BOGERT, M. T., 9, 22
BOLWELL, R. W., 8, 62
BONBRIGHT, JAMES C., 19
BONSER, FREDERICK G., 31
Botany, 18
BRADFORD, E. S., 57
BRAKELEY, ELIZABETH, 7
BRANDT, L. R., 62
BRANT, L., 10, 62
BRECKENRIDGE, WILLIAM EDWIN, 43
BRENNECKE, E., 34
BREWER, G. E., 56
BREWSTER, DOROTHY, 34
BRIGGS, THOMAS H., 31
Briggs English form test, 8
BRILL, N. E., 52
BRISSENDEN, P. F., 19
BRITTON, N. L., 18
BROADHURST, J., 60
BROOKS, F. D., 7, 62
Brooks Hall, Announcement, 3
BROWN, R. C. E., 40
Bulletin of information, 3
Bulletin of the Associate alumnae of Barnard college, 11
BULLOCK, FREDERICK D., 20
BURGESS, M. A., 62
BURLINGAME, C. C., 52
BURTON-OPITZ, RUSSELL, 51
BURTT, E. A., 49
BUSH, W. T., 49
Business, 19
  Announcement, 4
BUTLER, NICHOLAS MURRAY, 11
BYARD, D. S., 27
BYRNES, T. W., 19

CALDWELL, M. L., 7, 62
CALDWELL, W. E., 47
CALKINS, GARY N., 60
CAMAC, C. N., 52
Cancer research, 20
CARLUCCI, G. A., 56
CARMAN, H. J., 39
CARMAN, K. V., 51
CARP, L., 56

Carpenter, C. D., 23
Carpenter, William H., 15
Carter, H. S., 52
Casamajor, Louis, 45
Chaddock, R. E., 28
Chamberlain, J. P., 42
Charters, acts of the legislature, official documents and records, 4
Chassell, C. F., 4
Chemical engineering, 21
  Announcement, 3
Chemistry, 9, 22
  Announcement, 3
Chittick, James, 57
Civil engineering, Announcement, 3
Clinical instruction
  Dermatology, 25
  Laryngology and otology, 26
  Orthopedic surgery, 26
Coad, Oral S., 35
Coe, George Albert, 55
Cokell, W. B., 57
Colby, G. K., 50
College of physicians and surgeons, Announcement, 4
Colony, R. J., 9, 36
Colp, R., 56
Columbia alumni news, 11
Columbia blue book, 11
Columbia college, Announcement, 3
Columbia law review, 11
Columbia spectator, 11
Columbia university hymnal, 4
Columbia university press, 10
Columbian, 11
Comstock, A., 9, 28, 62
Contemporary civilization: a syllabus, 10
Contributions from the department of chemistry, 5
Contributions from the geological department, 8
Contributions to education, 7
Contributions to philosophy and psychology, 10
Coombs, Helen C., 51
Cooper, I. J., 62
Cornwall, Leon H., 45
Cox, J. W., Jr., 57
Crampton, H. E., 60
Crane, A. G., 7, 62
Cunliffe, J. W., 40
Curtis, E. N., 58
Curtis, M. R., 20

Dake, C. L., 62
Danchakoff, Vera, 16
Davidson, A. W., 5, 6
Davis, B., 10, 50
Dawson, J. C., 10, 62
Deibert, Olin, 16
Dentistry, 27
  Announcements, 3
Departmental publications, 5
Dewey, John, 49
Dibble, R. F., 35, 62
Diekman, G. B., 49
Dinegar, R. H. F., 51
Dinsmoor, W. B., 42
Diseases of children, 27
Dissertations, 61
Dohr, J. L., 58
Dondo, M. M., 55
Douglas, P. H., 62
Dowd, C. N., 56
Dowd, H. L., 27
Drachsler, Julius, 63
Draper, George, 52
Dunn, F. W., 5, 7, 31, 63

Earle, E. M., 39
Economics, 9
  Announcement, 3
Economics and social science, 28
Education, School of, Announcement, 4
Education (Teachers college), 7, 30
Edwards G. W., 19
Egbert, J. C., 19
Electrical engineering, 34
  Announcement, 3
Eliot, E., 56
Elsberg, C. A., 45
Emerson, Haven, 46
Engelhardt, N. L., 31
Engineering and scientific papers, 9
English and comparative literature, 8, 34
Entrance examinations, Announcement, 3
Ensign, F. C., 63
Erskine, John, 35
Evans, A. P., 39
Evenden, E. S., 31

Fairchild, Hoxie N., 35
Fales, H. A., 6
Farnham, C. E., 58, 63
Farnsworth, C. H., 45
Fellowships and scholarships, 3
Field, A. M., 5
Findlay, Hugh, 16
Fisher, H. L., 5
Fletcher, J. B., 11, 35
Flores, P., 63
Floyd, J. H., 63
Foakes Jackson, F. J., 55
Ford, H. E., 10, 63
Fordyce, J. A., 26
Forster, A. H., 10

Fox, D. R., 39
Franklin, A. M., 63
Fretwell, E. K., 31
Frost, Helen, 50
Frost, Norman, 7, 63
Fuchs, F. J., 7
Funk, C., 17

Geography, Announcement, 4
Geography, geology and mineralogy, 36
Geology, 8, 36
  Announcement, 4
Gerig, J. L., 55
Germanic languages and literature, 37
Giddings, F. H., 28
Gies, W. J., 17
Gillett, H. W., 27
Glenn, G., 40
Goddard, P. E., 16
Goldberg, J. A., 9, 63
Goldberger, H. H., 31
Goodhart, S. P., 45
Goodrich, A. W., 47
Graham, W., 63
Granger, F. S., 56
Graper, E. D., 41, 63
Graves, G. W., 27
Gray, G. H., 58
Greek and Latin, 38
Greeley, H. D., 58
Gregory, W. K., 60
Gross, P. U., 6
Guthrie, W. D., 41

Haig, R. M., 10, 19
Hale, R. L., 28
Hallock, F. H., 10
Hammett, L. P., 23
Harrow, Benjamin, 18
Harvey, M. T., 67
Hastings, A. B., 63
Hawkes, H. E., 15
Hayes, C. J. H., 39
Haynes, R. S., 27
Heft, H. L., 18
Hehere, F. W., 34
Henry, M. E., 58
Herrick, W. W., 52
Hertzog, W. S., 63
Heuser, F. W. J., 37
Hicks, F. C., 42
Higbie, E. C., 63
Hirst, G. M., 38
History, 39
History, economics and public law, 9
  Announcement, 3
Hitchcock, D. I., 7
Hobson, Asher, 16
Hodge, E. T., 8
Holden, W. A., 48
Hollingworth, L. S., 31
Holt; L. E., 27
Home study courses, Announcement, 4
Honess, C. W., 8
Honeywell, H. E., 23, 51, 63
Hosic, J. F., 7, 64
Hou, Te-Pang, 64
Howe, H. S., 45
Humphries, R. E., 26

Imperatori, C. J., 26
Indo-Iranian languages 40
Information for new students 4.
Inman, S. G., 58
Institute of arts and sciences
  Announcement, 10
  Report, 10
Institute of arts and sciences, Fortnightly bulletin, 10
Instructions for freshmen, 4
Iwasaki, Uichi, 64

Jackson, A. V. Williams, 40
Jackson, D. D., 9, 21
Jackson, H., 52
Jessup, D. S. D., 53
Jester, 11
Johann, N. E., 64
Johnson, D. W., 8, 36
Johnson, F. W., 31
Jordan, A. M., 64
Josey, C. C., 64
Journalism, 40
  Announcement, 3

Kahn, Max, 18
Kantor, J. L., 53
Karshan, Maxwell., 18
Kasner, Edward, 43
Kelly, J. A., 64
Kemp, J. F., 36
Kendall, James, 5, 6, 7, 23
Kester, R. B., 20
Keyes, C. W., 38
Kiehl, S. J., 64
Kilpatrick, W. H., 4, 8, 31
King, G., 51
Knapp, Arnold, 48
Knapp, Charles, 38
Kostir, W. J., 60
Kramer, M. M., 6
Krapp, G. P., 35
Krehbiel, O. F., 20
Kross, I., 21
Kuttner, A. G., 16

Ladd, W. S., 53
Lamb, A. B., 53
Lambert, S. W., 53
La Mer, V. K., 24, 64
Lamson, K. W., 43
La Rochelle, Philippe de, 59
Law
  Announcements, 3, 4
  Private, 40
  Public, and comparative jurisprudence, 41
  History, economics and public law, 9
Leak, W. H., 27
Lee, M. P., 9, 64
Legislative drafting, 42
Lehrman, P. R., 45
Leopold, J. S., 27
Lewis, E. E., 64
Lewis, L. J., 64
Library, 42
  Information for summer session students, 9
  Information for university students, 9
Lindsay, S. M., 28
Lintz, Joseph, 53
Littell, C. F., 67
Littlefield, M. S., 59
Loeb, R. F., 53
Lovett, R. S., 15
Lucke, C. E., 10, 45
Lyder, E. E., 9, 64

McAlpin, K. R., 53
McBain, H. L., 41
McCall, W. A., 8, 32
McCann, G. F., 48
McClees, Helen, 59
MacGaughy, J. R., 32
McGiffert, A. C., 39
MacKee, G. M., 26
MacKee, R. H., 9, 22
Mackenzie, G. M., 53
McLean, J. B., 59
McLeod, F. L., 6
McMurry, F. M., 32
Manning, C. A., 56
Marine, D., 48
Marks, H. E., 53
Martin, C. E., 64
Martin, Walton, 56
Mason, H. H., 27
Masters essays, 9
Mathematical and physical sciences, Announcement, 3
Mathematics, 43
Mathews, F. S., 56
Matthews, Brander, 35
Mechanical engineering, 45
  Announcement, 3
Meier, H. F. A., 65
Meister, M., 32, 65
Mercer, S. A. B., 10
Merrill, M. B., 5
Metallurgy, Announcement, 3
Meyer, A. N., 15
Meyer, M., 65
Michener, A. M., 65
Miller, E. G., 18
Miller, Nina, 20
Mills, F. C., 20
Mills, N., 27
Miner, C. E., 65
Mineralogy, 36
  Announcement, 4
Mines, engineering and chemistry, 9
Mining, Announcement, 3
Mining and metallurgy, 45
Modern language and literatures, Announcement, 3
Monroe, Day, 52
Monroe, K. P., 5
Monroe, Paul, 32
Montague, W. P., 49
Montgomery, R. H., 20
Mook, C. C., 8, 37
Moon, P. T., 39, 65
Moore, H. L., 29
Moore, J. E., 32
Moore, John B., 41
Morecroft, J. H., 34
Morgan, J. J., 9, 22, 67
Morishima, Kan-Ichiro, 16, 65
Morningside, 11
Morris, H. L., 65
Morris, J. V., 65
Morris, Newbold, 16
Mortarboard, 11
Mosher, W. E., 59
Mudge, I. G., 43
Mueller, J. H., 16
Music, 45
  Announcement, 3

Naccarati, S., 10, 65
Neale, M. G., 65
Nelson, J. M., 6, 7
Neurology, 45
Nursing and health, 46
  Announcement, 4
Nutting, M. A., 47

Obstetrics, 47
Odate, G. G., 9
Official publications, 3
Ogilvie, P. M., 67
Oliphant, H., 40

Onís, Federico de, 55
Oppenheimer, B. S., 53
Opthalmology, 48
Optics and optometry, Announcement, 3
Oral hygiene, Announcement, 4
Orbeck, A., 35
Oriental languages, Announcement, 4
Osborn, H. F., 60
Osnato, Michael, 45
Ottenberg, R., 17

Pagar, S. M., 67
Palmer, W. W., 54
Pappenheimer, A. M., 6, 48
Parker, Frederick, Jr., 17
Parker, J. T., 17
Parkhurst, H. H., 49
Parkhurst, H. J., 26
Parsons, W. B., 15
Pathology, 48
Paton, J. B., 18
Patterson, F. T., 59
Peck, C. H., 56
Penfield, W. G., 57
Perrier, J. L., 59
Pharmacy, 49
  Announcement, 4
Phillips, H., 65
Philosophy, 49
Philosophy a nd psychology, 10
Philosophy, psychology and anthropology, Announcement, 4
Phoenix physical laboratory contributions, 10
Physical education, 50
Physics, 10, 50
Physiology, 51
Picard, Maurice, 50
Pickhardt, O. C., 57
Pike, F. H., 51
Pine, J. B., 15
Pintner, R., 33
Pittman, M. S., 65
Poffenberger, A. T., 54
Political science, Announcement, 3
Political science quarterly, 9
Polowe, D., 59
Pool, E. H., 57
Poor, C. L., 50
Post, E. L., 65
Powell, T. R., 41
Practical arts, 51
  Announcement, 4
Practice of medicine, 52
Prescott, H. B., 43
President's annual report, 3
Prime, Frederick, 21
Prince, J. D., 56
Prudden, T. M., 48
Psychology, 54
  Announcement, 4
Publications of officers of the university, 11
Puckett, H. W., 37
Pure science, Announcement, 3

Quisumbing, F. A., 6, 66

Raymond, D. N., 9, 66
Reavis, G. H., 67
Reimer, Marie, 24
Reisner, E. H., 33
Religion, 55
Reports, Annual, 3
Riley, H. A., 45
Ritt, J. F., 43
Robert, A. L., 43
Robinson, G. T., 59
Robinson, M. L., 59
Rockwell, W. W., 39
Rogers, A. L., 8
Rogers, L., 42
Rogers, R., 59
Rohdenburg, G. L., 21
Romance languages and literature, 10, 55
Romanic review, 10
Rose, M. S., 4, 5, 8, 52
Rosen, Isadore, 26
Rosenberger, N. B., 7, 66
Rosett, J., 46
Rouse, M. E., 5
Rudolph, A., 43
Russman, A., 59

Safir, S. R., 68
Sailer, T. H. P., 33
St. Lawrence, William, 27
Sanders, F. K., 59
Sands, I. J., 46
Sanger, B. J., 54
Sanitary engineering, Announcement, 3
Saunders, T. L., 26
Saville, M. H., 16
Scarborough, D., 36
Schneider, H. W., 50
Scholarships, 3
Schramm, E. E., 43
Schuyler, R. L., 39
Scott, E. L., 51
Scout masters' leadership courses, 4
Schrugham, M., 66
Seager, H. R., 29
Second camp leadership course, 4
Secretarial studies, Announcement, 4
Seligman, E. R. A., 29
Sheffield, N. C., 50
Sheldon, E. W., 15

SHENTON, H. N., 30
SHERMAN, H. C., 5, 6, 7, 24
SHORT, J. J., 54
SHOTWELL, J. T., 40
SIMBOLI, C. R., 66
SIMKHOVITCH, V. G., 30
SIMONS, H. L., 5, 66
Sixteen spelling scales, 4
Slavonic languages, 56
SMITH, C. H., 27
SMITH, D. E., 43
SMITH, J. R., 20
SNEDDEN, DAVID, 8, 33
Social hygiene education, 4
SOUTHALL, J. P. C., 50
SPIER, L., 66
SPIERS, A. G. H., 55
Spoken languages, Announcement, 3
STANOYEVICH, M. S., 59
STEINER, W. H., 68
STEMPEL, W. W., 10
STEVENS, F. A., 54
STIMSON, P. M., 54
STONE, C. L., 60
STONE, C. W., 8
STONE, H. F., 41
STRAUSS, F. A., 66
STRAYER, G. D., 33
STRONG, O. S., 46
STUART, D. R., 38
STUDENSKY, P., 68
Studies in English and comparative literature, 8
Studies in history, economics and public law, 9
Studies in romance philology and literatures, 10
STURTEVANT, A. H., 67
SUFFERN, A. E., 30
Summer session, Announcement, 3
Surgery, 56

TAGGART, A. F., 45
Teachers College, 4
  Alumni association, 5
  Report of the dean, 5
  Trustees, 16
Teachers college blue book, 11
Teachers college bulletin, 4
TERRY, C. T., 41
THOMAS, A. W., 6, 25
THOMAS, H. E., 66
THORNDIKE, A. H., 36
THORNDIKE, E. L., 7, 8, 54
TILNEY, FREDERICK, 46
TODD, H. A., 10, 55
TOOPS, H. A., 7, 66
TOWNSEND, M. E., 9, 66
TRABUE, M. R., 5, 8
TRENT, W. P., 36
Trustees, 15
TUGWELL, R. G., 30

University bibliography, 9
University extension, 10, 57
UPTON, S. M., 4

VAN DOREN, CARL, 36
VAN INGEN, P., 27
VAN METRE, T. W., 20
Varsity, 11
VEXLER, FELICIU, 43
VOELKER, P. F., 7, 66
VOSBURGH, W. C., 5, 6

WALES, H., 66
WALKER, F., 7
WAYMAN, A. R., 50
WEAVER, R. M., 36
WECHSLER, I. S., 46
Weekly bulletin, Teachers College, 11
WEEKS, RAYMOND, 10, 55
WELLS, M. E., 66
WEYMAN, M., 7
WHITLEY, M. T., 34
WILE, I. S., 28
WILKINS, L. A., 60
WILL, A. S., 40
WILL, J. S., 67
WILLIAMS, B. C., 60
WILLIAMS, H. B., 51
WILLIS, H. P., 20
WINSLOW, C. E. A., 47
WISE, FRED, 26
WOGLOM, W. H., 21
WOLFF, S. L., 36
WOOD, B. D., 55
WOOD, F. C., 21
WOODBRIDGE, F. J. E., 50
WOODS, E., 5
WOODWORTH, R. S., 10, 55
WOODY, CLIFFORD, 8
WRIGHT, A. H., 68
WRIGHT, J. M., 9

YARMOLINSKY, A., 67
YATES, A. B., 67
YEOMANS, F. C., 57
YERGIN, H. V., 30

ZANETTI, J. E., 25
ZINSSER, HANS, 17
Zoology, 60
  Announcements, 3
ZUCKER, T. F., 48